



Product Selection Guide

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Military Hookup Wire

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NEMA HP3 & HP4

HP 3 - PTFE & TAPE WRAPPED INSULATED WIRE

TYPE ET

Low voltage, high temperature and high frequency at a maximum 250 volts RMS.

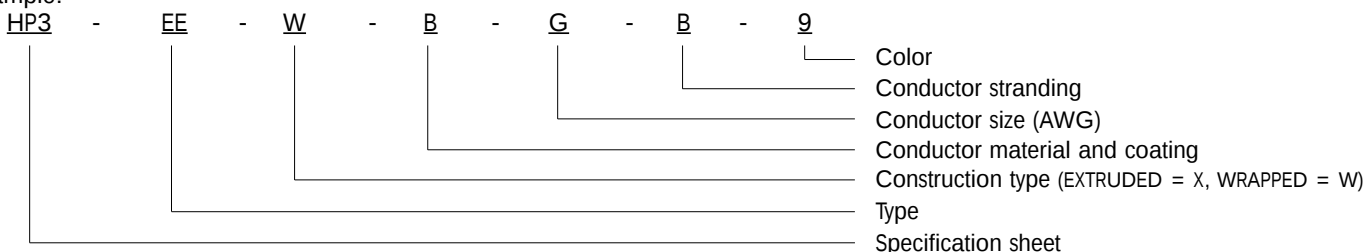
TYPE E

High temperature and high frequency at a maximum 600 volts RMS.

TYPE EE

High temperature and high frequency at a maximum 1000 volts RMS.

Example:



PTFE, Type EE, Tape Wrapped, Silver Coated Copper, 20 AWG, 7 Strands, White

HP 4 - FEP INSULATED WIRE

TYPE KT

Low voltage, high temperature and high frequency at a maximum 250 volts RMS.

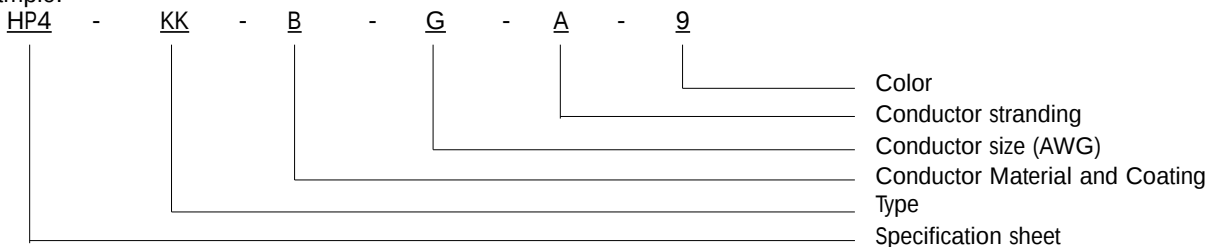
TYPE K

High temperature and high frequency at a maximum 600 volts RMS.

TYPE KK

High temperature and high frequency at a maximum 1000 volts RMS.

Example:



FEP, Type KK, Silver Coated Copper, 20 AWG, Solid Conductor, White

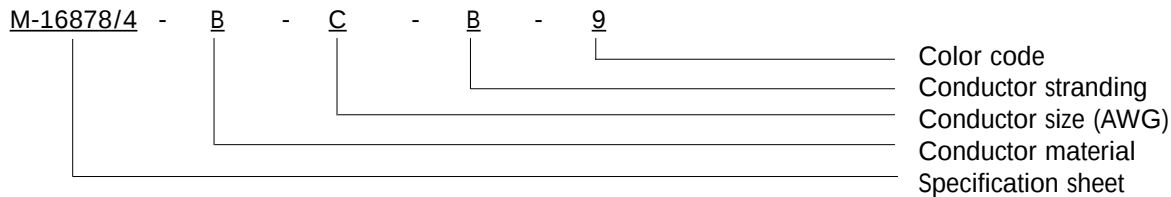
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MIL-W-16878 NEMA HP3 & HP4

Part Number Guide

Application:

Unshielded wire for hook-up and lead wiring in electrical and electronic components and equipment.



Color Code

Code	Color
0	black
1	brown
2	red
3	orange
4	yellow
5	green
6	blue
7	violet
8	gray
9	white

Conductor Stranding

Code	# of Strands
A	1
B	7
E	19
F	26
G	37
L	133
P	665
R	817
S	1045
T	1330
V	1672
W	2109

Conductor Size

Code	AWG
A	32
B	30
C	28
D	26
E	24
F	22
G	20
H	18
J	16
k	14
L	12
M	10
N	8
P	6
R	4
S	2
T	1
V	0
W	00
Y	000
Z	0000

Conductor Material MIL-W-16878

Code	Material
A	Bare copper
B	Coated copper
C	Coated copper covered steel
D	Coated high-strength copper alloy

Conductor Material HP3 & HP4

Code	Material
B	Silver-coated copper (SCC)
C	Nickel-coated copper
D	Silver-coated high strength copper alloy (SCA)
E	Nickel-coated high strength copper alloy (NCA)
F	Silver-coated copper clad steel (SCCCS)
G	Nickel-coated copper clad steel (NCCCS)

MIL-W-16878/4

Conductor:

Silver coated conductor

Insulation:

.010 Extruded PTFE

Jacket:

None

Temperature Rating:

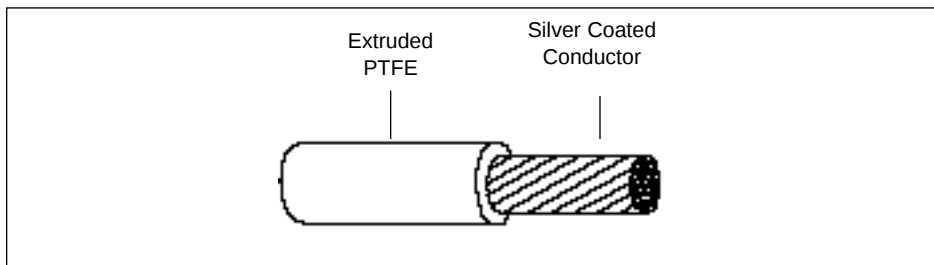
-65° C to 200° C

Voltage Rating:

600 V

Type:

E



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
1XT-32-740	32	7 x 40	0.026	0.034	0.66	0.86	0.77	0.34
1XT-30-738	30	7 x 38	0.028	0.036	0.71	0.91	1.00	0.45
1XT-30-1942	30	19 x 42	0.028	0.036	0.71	0.91	1.02	0.46
1XT-28-736	28	7 x 36	0.031	0.039	0.78	0.99	1.29	0.58
1XT-28-1940	28	19 x 40	0.031	0.039	0.78	0.99	1.30	0.58
1XT-26-734	26	7 x 34	0.035	0.043	0.88	1.09	1.73	0.78
1XT-26-1938	26	19 x 38	0.035	0.043	0.88	1.09	1.77	0.80
1XT-24-732	24	7 x 32	0.040	0.048	1.01	1.21	2.40	1.08
1XT-24-1936	24	19 x 36	0.040	0.048	1.01	1.21	2.45	1.11
1XT-22-730	22	7 x 30	0.046	0.054	1.16	1.37	3.38	1.53
1XT-22-1934	22	19 x 34	0.046	0.054	1.16	1.37	3.45	1.56
1XT-20-728	20	7 x 28	0.054	0.062	1.37	1.57	4.91	2.22
1XT-20-1932	20	19 x 32	0.054	0.062	1.37	1.57	5.08	2.30
1XT-18-726	18	7 x 26	0.064	0.074	1.62	1.87	7.27	3.29
1XT-18-1930	18	19 x 30	0.064	0.074	1.62	1.87	7.45	3.37
1XT-16-1929	16	19 x 29	0.073	0.087	1.85	2.20	9.83	4.45
1XT-14-1927	14	19 x 27	0.088	0.102	2.23	2.59	15.00	6.80
1XT-12-1925	12	19 x 25	0.107	0.121	2.71	3.07	22.30	10.11
1XT-10-3726	10	37 x 26	0.127	0.141	3.22	3.58	33.50	15.19

MIL-W-16878/5

Conductor:

Silver coated conductor

Insulation:

.015 Extruded PTFE

Jacket:

None

Temperature Rating:

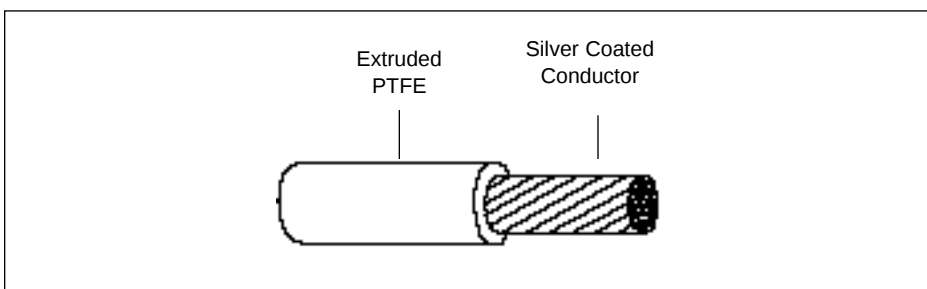
-65° C to 200° C

Voltage Rating:

1000 V

Type:

EE



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Finished Diameter				Nom Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
2XT-32-740	32	7 x 40	0.036	0.044	0.91	1.11	1.27	0.57
2XT-30-738	30	7 x 38	0.038	0.046	0.96	1.16	1.54	0.69
2XT-30-1942	30	19 x 42	0.038	0.046	0.96	1.16	1.56	0.70
2XT-28-736	28	7 x 36	0.041	0.049	1.04	1.24	1.87	0.84
2XT-28-1940	28	19 x 40	0.041	0.049	1.04	1.24	1.95	0.88
2XT-26-734	26	7 x 34	0.045	0.053	1.14	1.34	2.37	1.07
2XT-26-1938	26	19 x 38	0.045	0.053	1.14	1.34	2.49	1.12
2XT-24-732	24	7 x 32	0.050	0.058	1.27	1.47	3.12	1.41
2XT-24-1936	24	19 x 36	0.050	0.058	1.27	1.47	3.24	1.45
2XT-22-730	22	7 x 30	0.056	0.064	1.42	1.62	4.18	1.89
2XT-22-1934	22	19 x 34	0.056	0.064	1.42	1.62	4.43	2.00
2XT-20-728	20	7 x 28	0.064	0.072	1.62	1.82	5.83	2.64
2XT-20-1932	20	19 x 32	0.064	0.072	1.62	1.82	6.18	2.80
2XT-18-726	18	7 x 26	0.074	0.084	1.87	2.13	8.33	3.77
2XT-18-1930	18	19 x 30	0.074	0.084	1.87	2.13	8.52	3.86
2XT-16-1929	16	19 x 29	0.083	0.095	2.10	2.41	10.90	4.94
2XT-14-1927	14	19 x 27	0.098	0.114	2.48	2.89	16.30	7.39
2XT-12-1925	12	19 x 25	0.117	0.133	2.97	3.37	24.70	11.20
2XT-10-3726	10	37 x 26	0.137	0.153	3.47	3.88	36.70	16.64
2XT-8-13329	8	133 x 29	0.199	0.219	5.05	5.56	68.00	30.84

MIL-W-16878/6

Conductor:

Silver coated conductor

Insulation:

.006 Extruded PTFE

Jacket:

None

Temperature Rating:

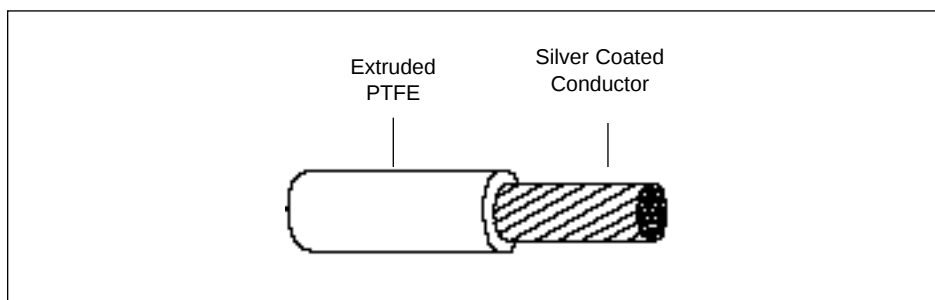
-65° C to 200° C

Voltage Rating:

250 V

Type:

ET



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Min.(mm)	Max (mm)	Nom Weight/1000 ft	
				Max.(inch)				Lbs	Kg
3XT-32-740	32	7 x 40	0.020	0.024		0.50	0.60	0.48	0.21
3XT-30-738	30	7 x 38	0.022	0.026		0.55	0.66	0.67	0.30
3XT-30-1942	30	19 x 42	0.022	0.026		0.55	0.66	0.69	0.31
3XT-28-736	28	7 x 36	0.025	0.029		0.63	0.73	0.92	0.41
3XT-28-1940	28	19 x 40	0.025	0.029		0.63	0.73	0.95	0.43
3XT-26-734	26	7 x 34	0.029	0.033		0.73	0.83	1.32	0.59
3XT-26-1938	26	19 x 38	0.029	0.033		0.73	0.83	1.34	0.60
3XT-24-732	24	7 x 32	0.034	0.038		0.86	0.96	1.94	0.87
3XT-24-1936	24	19 x 36	0.034	0.038		0.86	0.96	2.00	0.90
3XT-22-730	22	7 x 30	0.040	0.044		1.01	1.11	2.84	1.28
3XT-22-1934	22	19 x 34	0.040	0.044		1.01	1.11	3.01	1.36
3XT-20-728	20	7 x 28	0.048	0.052		1.21	1.32	4.28	1.94
3XT-20-1932	20	19 x 32	0.048	0.052		1.21	1.32	4.56	2.06

MIL-W-16878/11

Conductor:

Silver coated conductor

Insulation:

.010 Extruded FEP

Jacket:

None

Temperature Rating:

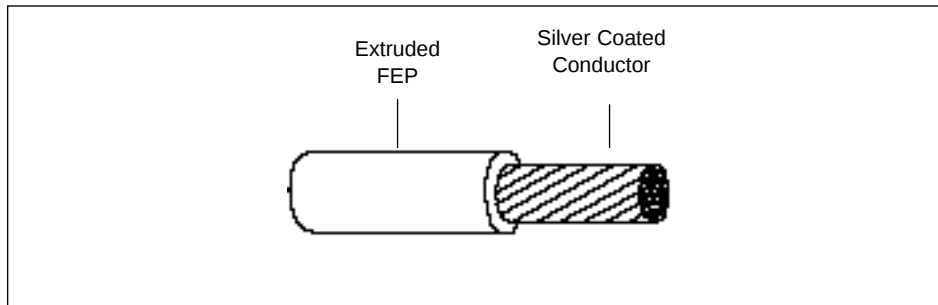
-65° C to 200° C

Voltage Rating:

600 V

Type:

K



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min. (inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max. (inch)	Min. (mm)		Lbs	Kg
1XFS-32-740	32	7 x 40	0.026	0.034	0.66	0.86	0.774	0.35
1XFS-30-738	30	7 x 38	0.028	0.036	0.71	0.91	1.002	0.45
1XFS-30-1942	30	19 x 42	0.028	0.036	0.71	0.91	1.023	0.46
1XFS-28-736	28	7 x 36	0.031	0.039	0.78	0.99	1.288	0.58
1XFS-28-1940	28	19 x 40	0.031	0.039	0.78	0.99	1.300	0.59
1XFS-26-734	26	7 x 34	0.035	0.043	0.88	1.09	1.730	0.78
1XFS-26-1938	26	19 x 38	0.035	0.043	0.88	1.09	1.771	0.80
1XFS-24-732	24	7 x 32	0.040	0.048	1.01	1.21	2.404	1.09
1XFS-24-1936	24	19 x 36	0.040	0.048	1.01	1.21	2.448	1.11
1XFS-22-730	22	7 x 30	0.046	0.054	1.16	1.37	3.380	1.53
1XFS-22-1934	22	19 x 34	0.046	0.054	1.16	1.37	3.450	1.56
1XFS-20-728	20	7 x 28	0.054	0.062	1.37	1.57	4.910	2.22
1XFS-20-1932	20	19 x 32	0.054	0.062	1.37	1.57	5.080	2.30
1XFS-18-726	18	7 x 26	0.064	0.074	1.62	1.87	7.270	3.29
1XFS-18-1930	18	19 x 30	0.064	0.074	1.62	1.87	7.450	3.37
1XFS-16-1929	16	19 x 29	0.073	0.087	1.85	2.20	9.830	4.45
1XFS-14-1927	14	19 x 27	0.088	0.102	2.23	2.59	14.950	6.78
1XFS-12-1925	12	19 x 25	0.107	0.121	2.71	3.07	22.320	10.12
1XFS-10-3726	10	37 x 26	0.127	0.141	3.22	3.58	33.480	15.18
1XFS-8-13329	8	133 x 29	0.185	0.199	4.70	5.05	58.910	26.76

MIL-W-16878/12

Conductor:

Silver coated conductor

Insulation:

.015 Extruded FEP

Jacket:

None

Temperature Rating:

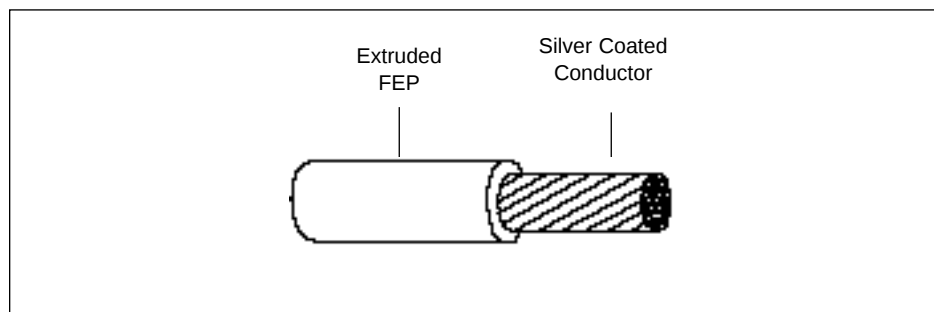
-65° C to 200° C

Voltage Rating:

1000 V

Type:

KK



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
2XFS-32-740	32	7 x 40	0.035	0.043	0.889	1.09	1.27	0.58
2XFS-30-738	30	7 x 38	0.038	0.046	0.965	1.16	1.54	0.70
2XFS-30-1942	30	19 x 42	0.038	0.046	0.965	1.16	1.56	0.71
2XFS-28-736	28	7 x 36	0.041	0.049	1.040	1.24	1.87	0.85
2XFS-28-1940	28	19 x 40	0.041	0.049	1.040	1.24	1.95	0.88
2XFS-26-734	26	7 x 34	0.045	0.053	1.140	1.34	2.37	1.08
2XFS-26-1938	26	19 x 38	0.045	0.053	1.140	1.34	2.49	1.13
2XFS-24-732	24	7 x 32	0.050	0.058	1.270	1.47	3.12	1.41
2XFS-24-1936	24	19 x 36	0.050	0.058	1.270	1.47	3.24	1.46
2XFS-22-730	22	7 x 30	0.056	0.064	1.420	1.62	4.18	1.89
2XFS-22-1934	22	19 x 34	0.056	0.064	1.420	1.62	4.43	2.00
2XFS-20-728	20	7 x 28	0.064	0.072	1.620	1.82	5.83	2.64
2XFS-20-1932	20	19 x 32	0.064	0.072	1.620	1.82	6.18	2.80
2XFS-18-726	18	7 x 26	0.074	0.084	1.870	2.13	8.33	3.77
2XFS-18-1930	18	19 x 30	0.074	0.084	1.870	2.13	8.52	3.86
2XFS-16-1929	16	19 x 29	0.083	0.095	2.100	2.41	10.95	4.96
2XFS-14-1927	14	19 x 27	0.098	0.114	2.480	2.89	16.27	7.38
2XFS-12-1925	12	19 x 25	0.117	0.133	2.970	3.37	24.71	11.20
2XFS-10-3726	10	37 x 26	0.137	0.153	3.470	3.88	36.68	16.63
2XFS-8-13329	8	133 x 29	0.199	0.219	5.050	5.56	63.10	29.03
2XFS-6-13327	6	133 x 27	0.286	0.301	7.260	7.65	115.00	52.16

MIL-W-16878/13

Conductor:

Silver coated conductor

Insulation:

.006 Extruded FEP

Jacket:

None

Temperature Rating:

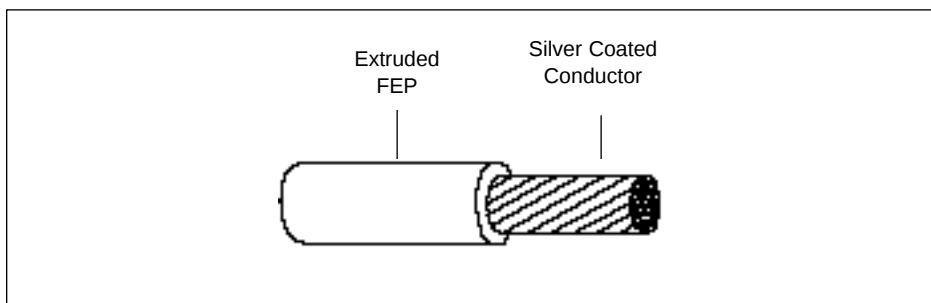
-65° C to 200° C

Voltage Rating:

250 V

Type:

KT



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
3XFS-32-740	32	7 x 40	0.020	0.024	0.50	0.60	0.48	0.21
3XFS-30-738	30	7 x 38	0.022	0.026	0.55	0.66	0.67	0.30
3XFS-30-1942	30	19 x 42	0.022	0.026	0.55	0.66	0.69	0.31
3XFS-28-736	28	7 x 36	0.025	0.029	0.63	0.73	0.92	0.41
3XFS-28-1940	28	19 x 40	0.025	0.029	0.63	0.73	0.95	0.43
3XFS-26-734	26	7 x 34	0.029	0.033	0.73	0.83	1.32	0.59
3XFS-26-1938	26	19 x 38	0.029	0.033	0.73	0.83	1.34	0.60
3XFS-24-732	24	7 x 32	0.034	0.038	0.86	0.96	1.93	0.87
3XFS-24-1936	24	19 x 36	0.034	0.038	0.86	0.96	2.00	0.90
3XFS-22-730	22	7 x 30	0.040	0.044	1.01	1.11	2.84	1.28
3XFS-22-1934	22	19 x 34	0.040	0.044	1.01	1.11	3.00	1.36
3XFS-20-728	20	7 x 28	0.048	0.052	1.21	1.32	4.27	1.94
3XFS-20-1932	20	19 x 32	0.048	0.052	1.21	1.32	4.56	2.06

MIL-W-16878/20

Conductor:

Silver coated conductor

Insulation:

.006 Wrapped tape PTFE

Jacket:

None

Temperature Rating:

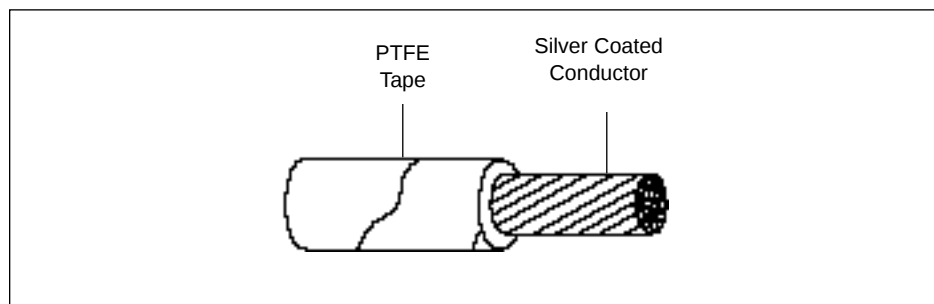
-65° C to 200° C

Voltage Rating:

250 V

Type:

ET



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
3WT-26-734	26	7 x 34	0.029	0.033	0.73	0.83	1.32	0.59
3WT-26-1938	26	19 x 38	0.029	0.033	0.73	0.83	1.34	0.60
3WT-24-732	24	7 x 32	0.034	0.038	0.86	0.96	1.94	0.87
3WT-24-1936	24	19 x 36	0.034	0.038	0.86	0.96	2.00	0.90
3WT-22-730	22	7 x 30	0.040	0.044	1.01	1.11	2.84	1.28
3WT-22-1934	22	19 x 34	0.040	0.044	1.01	1.11	3.01	1.36
3WT-20-728	20	7 x 28	0.048	0.052	1.21	1.32	4.28	1.94
3WT-20-1932	20	19 x 32	0.048	0.052	1.21	1.32	4.56	2.06

MIL-W-16878/21

Conductor:

Silver coated conductor

Insulation:

.010 Wrapped tape PTFE

Jacket:

None

Temperature Rating:

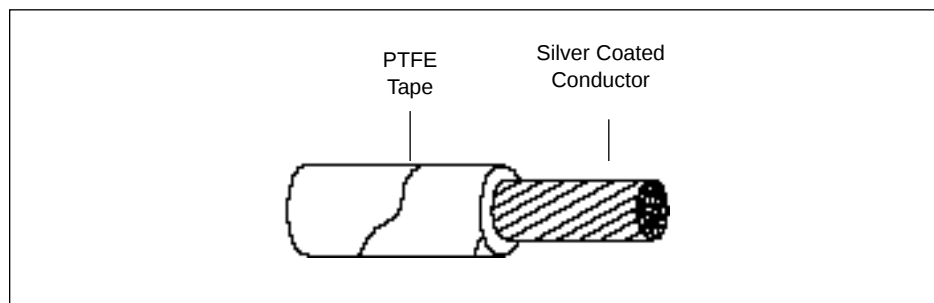
-65° C to 200° C

Voltage Rating:

600 V

Type:

E



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
1WT-26-734	26	7 x 34	0.035	0.043	1.14	1.34	1.73	1.08
1WT-26-1938	26	19 x 38	0.035	0.043	1.14	1.34	1.77	1.13
1WT-24-732	24	7 x 32	0.040	0.048	1.27	1.47	2.40	1.41
1WT-24-1936	24	19 x 36	0.040	0.048	1.01	1.21	2.45	1.46
1WT-22-730	22	7 x 30	0.046	0.054	1.42	1.62	3.38	1.89
1WT-22-1934	22	19 x 34	0.046	0.054	1.42	1.62	3.45	2.00
1WT-20-728	20	7 x 28	0.054	0.062	1.62	1.82	4.91	2.64
1WT-20-1932	20	19 x 32	0.054	0.062	1.62	1.82	5.08	2.80
1WT-18-726	18	7 x 26	0.064	0.074	1.87	2.13	7.27	3.77
1WT-18-1930	18	19 x 30	0.064	0.074	1.87	2.13	7.45	3.86
1WT-16-1929	16	19 x 29	0.073	0.087	2.10	2.41	9.83	4.96
1WT-14-1927	14	19 x 27	0.088	0.102	2.48	2.89	15.00	7.38
1WT-12-1925	12	19 x 25	0.107	0.121	2.97	3.37	22.30	11.20
1WT-10-3726	10	37 x 26	0.127	0.141	3.47	3.88	33.50	16.63

MIL-W-16878/22

Conductor:

Silver coated conductor

Insulation:

.015 Wrapped tape PTFE

Jacket:

None

Temperature Rating:

-65° C to 200° C

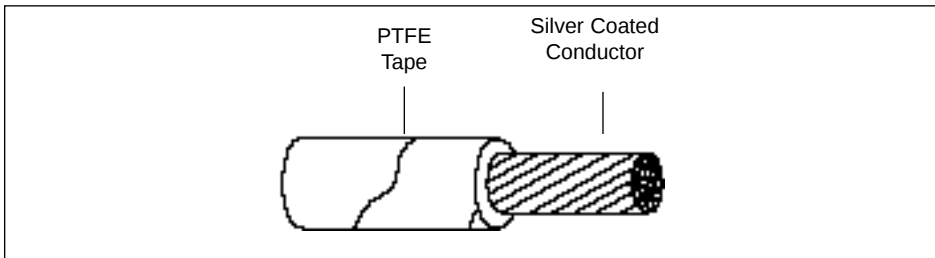
Voltage Rating:

1000 V

Type:

EE

Additional NEMA & custom constructions are available upon request.



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
2WT-26-734	26	7 x 34	0.045	0.053	1.14	1.34	2.37	1.08
2WT-26-1938	26	19 x 38	0.045	0.053	1.14	1.34	2.49	1.13
2WT-24-732	24	7 x 32	0.050	0.058	1.27	1.47	3.12	1.41
2WT-24-1936	24	19 x 36	0.050	0.088	1.27	1.47	3.24	1.46
2WT-22-730	22	7 x 30	0.056	0.064	1.42	1.62	4.18	1.89
2WT-22-1934	22	19 x 34	0.056	0.064	1.42	1.62	4.43	2.00
2WT-20-728	20	7 x 28	0.064	0.072	1.62	1.82	5.83	2.64
2WT-20-1932	20	19 x 32	0.064	0.072	1.62	1.82	6.18	2.80
2WT-18-726	18	7 x 26	0.074	0.084	1.87	2.13	8.33	3.77
2WT-18-1930	18	19 x 30	0.074	0.084	1.87	2.13	8.52	3.86
2WT-16-1929	16	19 x 29	0.083	0.095	2.10	2.41	10.90	4.96
2WT-14-1927	14	19 x 27	0.098	0.114	2.48	2.89	16.30	7.38
2WT-12-1925	12	19 x 25	0.117	0.133	2.97	3.37	24.70	11.20
2WT-10-3726	10	37 x 26	0.137	0.153	3.47	3.88	36.70	16.63

MIL-W-16878/23

Conductor:

Nickel coated conductor

Insulation:

.006 Extruded PTFE

Jacket:

None

Temperature Rating:

-65° C to 260° C

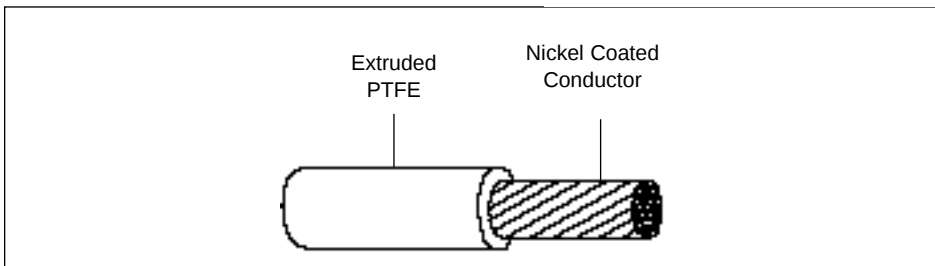
Voltage Rating:

250 V

Type:

ET

Extruded PTFE



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
3XTN-32-740	32	7 x 40	0.020	0.024	0.50	0.60	0.481	0.21
3XTN-30-738	30	7 x 38	0.022	0.026	0.55	0.66	0.675	0.30
3XTN-30-1942	30	19 x 42	0.022	0.026	0.55	0.66	0.696	0.31
3XTN-28-736	28	7 x 36	0.025	0.029	0.63	0.73	0.925	0.41
3XTN-28-1940	28	19 x 40	0.025	0.029	0.63	0.73	0.957	0.43
3XTN-26-734	26	7 x 34	0.029	0.033	0.73	0.83	1.320	0.59
3XTN-26-1938	26	19 x 38	0.029	0.033	0.73	0.83	1.340	0.60
3XTN-24-732	24	7 x 32	0.034	0.038	0.86	0.96	1.940	0.87
3XTN-24-1936	24	19 x 36	0.034	0.038	0.86	0.96	2.000	0.90
3XTN-22-730	22	7 x 30	0.040	0.044	1.01	1.11	2.840	1.28
3XTN-22-1934	22	19 x 34	0.040	0.044	1.01	1.11	3.010	1.36
3XTN-20-728	20	7 x 28	0.048	0.052	1.21	1.32	4.280	1.94
3XTN-20-1932	20	19 x 32	0.048	0.052	1.21	1.32	4.560	2.06

MIL-W 16878/24

Conductor:

Nickel coated conductor

Insulation:

.006 Wrapped tape PTFE

Jacket:

None

Temperature Rating:

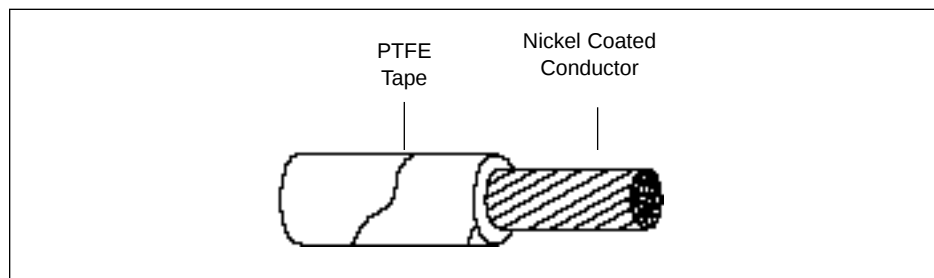
-65° C to 260° C

Voltage Rating:

250 V

Type:

ET



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
3WTN-26-734	26	7 x 34	0.029	0.033	0.73	0.83	1.32	0.59
3WTN-26-1938	26	19 x 38	0.029	0.033	0.73	0.83	1.34	0.60
3WTN-24-732	24	7 x 32	0.034	0.038	0.86	0.96	1.94	0.87
3WTN-24-1936	24	19 x 36	0.034	0.038	0.86	0.96	2.00	0.90
3WTN-22-730	22	7 x 30	0.040	0.044	1.01	1.11	2.84	1.28
3WTN-22-1934	22	19 x 34	0.040	0.044	1.01	1.11	3.01	1.36
3WTN-20-728	20	7 x 28	0.048	0.052	1.21	1.32	4.28	1.94
3WTN-20-1932	20	19 x 32	0.048	0.052	1.21	1.32	4.56	2.06

Extruded PTFE

MIL-W-16878/25

Conductor:

Nickel coated conductor

Insulation:

.010 Extruded PTFE

Jacket:

None

Temperature Rating:

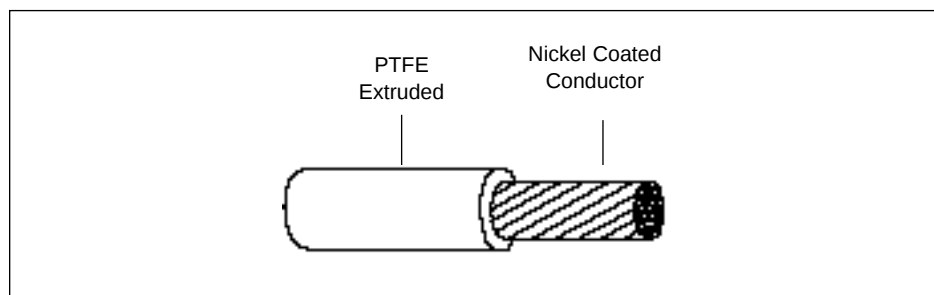
-65° C to 260° C

Voltage Rating:

600 V

Type:

E



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
1XTN-32-740	32	7 x 40	0.026	0.034	0.66	0.86	0.774	0.35
1XTN-30-738	30	7 x 38	0.028	0.036	0.71	0.91	1.002	0.45
1XTN-30-1942	30	19 x 42	0.028	0.036	0.71	0.91	1.023	0.46
1XTN-28-736	28	7 x 36	0.031	0.039	0.78	0.99	1.288	0.58
1XTN-28-1940	28	19 x 40	0.031	0.039	0.78	0.99	1.300	0.59
1XTN-26-734	26	7 x 34	0.035	0.043	0.88	1.09	1.730	0.78
1XTN-26-1938	26	19 x 38	0.035	0.043	0.88	1.09	1.771	0.80
1XTN-24-732	24	7 x 32	0.040	0.048	1.01	1.21	2.404	1.09
1XTN-24-1936	24	19 x 36	0.040	0.048	1.01	1.21	2.448	1.11
1XTN-22-730	22	7 x 30	0.046	0.054	1.16	1.37	3.380	1.53
1XTN-22-1934	22	19 x 34	0.046	0.054	1.16	1.37	3.450	1.56
1XTN-20-728	20	7 x 28	0.054	0.062	1.37	1.57	4.910	2.22
1XTN-20-1932	20	19 x 32	0.054	0.062	1.37	1.57	5.080	2.30
1XTN-18-726	18	7 x 26	0.064	0.074	1.62	1.87	7.270	3.29
1XTN-18-1930	18	19 x 30	0.064	0.074	1.62	1.87	7.450	3.37
1XTN-16-1929	16	19 x 29	0.073	0.087	1.85	2.20	9.830	4.45
1XTN-14-1927	14	19 x 27	0.088	0.102	2.23	2.59	14.950	6.78
1XTN-12-1925	12	19 x 25	0.107	0.121	2.71	3.07	22.320	10.12
1XTN-10-3726	10	37 x 26	0.127	0.141	3.22	3.58	33.480	15.18

MIL-W-16878/26

Conductor:

Nickel coated conductor

Insulation:

.010 Wrapped tape PTFE

Jacket:

None

Temperature Rating:

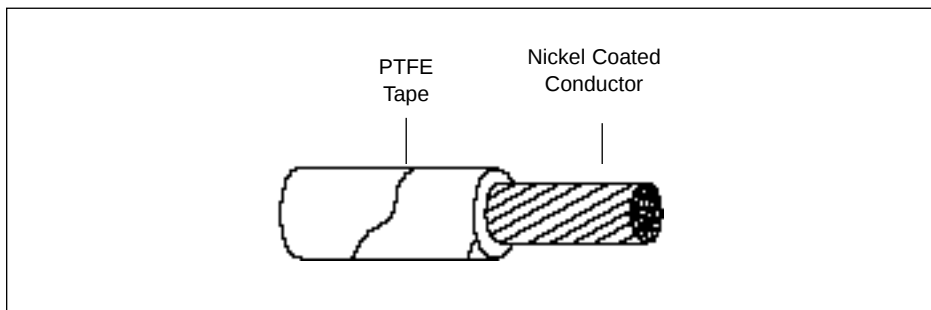
-65° C to 260° C

Voltage Rating:

600 V

Type:

E



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
1WTN-26-734	26	7 x 34	0.035	0.043	0.89	1.09	1.73	0.78
1WTN-26-1938	26	19 x 38	0.035	0.043	0.89	1.09	1.77	0.80
1WTN-24-732	24	7 x 32	0.040	0.048	1.01	1.21	2.40	1.09
1WTN-24-1936	24	19 x 36	0.040	0.048	1.01	1.21	2.45	1.11
1WTN-22-730	22	7 x 30	0.046	0.054	1.16	1.37	3.38	1.53
1WTN-22-1934	22	19 x 34	0.046	0.054	1.16	1.37	3.45	1.56
1WTN-20-728	20	7 x 28	0.054	0.062	1.37	1.57	4.91	2.22
1WTN-20-1932	20	19 x 32	0.054	0.062	1.37	1.57	5.08	2.30
1WTN-18-726	18	7 x 26	0.064	0.074	1.62	1.87	7.27	3.29
1WTN-18-1930	18	19 x 30	0.064	0.074	1.62	1.87	7.45	3.37
1WTN-16-1929	16	19 x 29	0.073	0.087	1.85	2.20	9.83	4.45
1WTN-14-1927	14	19 x 27	0.088	0.102	2.23	2.59	15.00	6.80
1WTN-12-1925	12	19 x 25	0.107	0.121	2.71	3.07	22.30	10.11
1WTN-10-3726	10	37 x 26	0.127	0.141	3.22	3.58	33.50	15.19

MIL-W-16878/27

Conductor:

Nickel coated conductor

Insulation:

.015 Extruded PTFE

Jacket:

None

Temperature Rating:

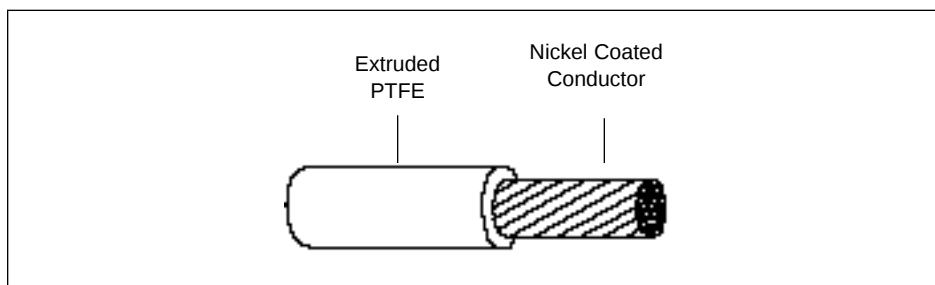
-65° C to 260° C

Voltage Rating:

1000 V

Type:

EE



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Min.(mm)	Max (mm)	Nom Weight/1000 ft	
				Max.(inch)				Lbs	Kg
2XTN-32-740	32	7 x 40	0.036	0.044		0.91	1.11	1.27	0.57
2XTN-30-738	30	7 x 38	0.038	0.046		0.96	1.16	1.54	0.69
2XTN-30-1942	30	19 x 42	0.038	0.046		0.96	1.16	1.56	0.70
2XTN-28-736	28	7 x 36	0.041	0.049		1.04	1.24	1.87	0.84
2XTN-28-1940	28	19 x 40	0.041	0.049		1.04	1.24	1.95	0.88
2XTN-26-734	26	7 x 34	0.045	0.053		1.14	1.34	2.37	1.07
2XTN-26-1938	26	19 x 38	0.045	0.053		1.14	1.34	2.49	1.12
2XTN-24-732	24	7 x 32	0.050	0.058		1.27	1.47	3.12	1.41
2XTN-24-1936	24	19 x 36	0.050	0.058		1.27	1.47	3.24	1.45
2XTN-22-730	22	7 x 30	0.056	0.064		1.42	1.62	4.18	1.89
2XTN-22-1934	22	19 x 34	0.056	0.064		1.42	1.62	4.43	2.00
2XTN-20-728	20	7 x 28	0.064	0.072		1.62	1.82	5.83	2.64
2XTN-20-1932	20	19 x 32	0.064	0.072		1.62	1.82	6.18	2.80
2XTN-18-726	18	7 x 26	0.074	0.084		1.87	2.13	8.33	3.77
2XTN-18-1930	18	19 x 30	0.074	0.084		1.87	2.13	8.52	3.86
2XTN-16-1929	16	19 x 29	0.083	0.095		2.10	2.41	10.90	4.94
2XTN-14-1927	14	19 x 27	0.098	0.114		2.48	2.89	16.30	7.39
2XTN-12-1925	12	19 x 25	0.117	0.133		2.97	3.37	24.70	11.20
2XTN-10-3726	10	37 x 26	0.137	0.153		3.47	3.88	36.70	16.64
2XTN-8-13329	8	133 x 29	0.199	0.219		5.05	5.56	68.10	30.84

MIL-W-16878/28

Conductor:

Nickel coated conductor

Insulation:

.015 Wrapped tape PTFE

Jacket:

None

Temperature Rating:

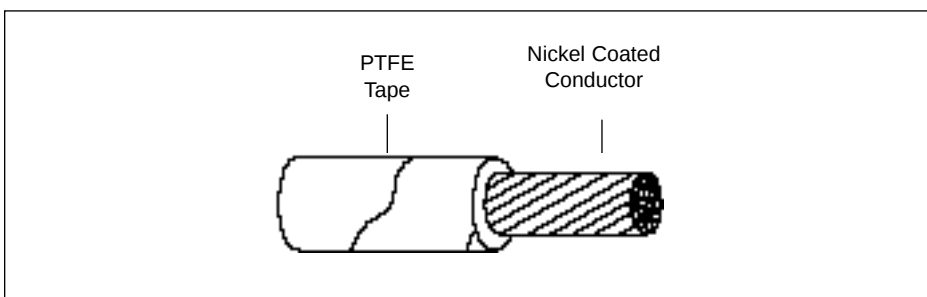
-65° C to 260° C

Voltage Rating:

1000 V

Type:

EE



Additional NEMA & custom constructions are available upon request.

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Nom Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
2WTN-26-734	26	7 x 34	0.045	0.053	1.14	1.34	2.37	1.07
2WTN-26-1938	26	19 x 38	0.045	0.053	1.14	1.34	2.49	1.12
2WTN-24-732	24	7 x 32	0.050	0.058	1.27	1.47	3.12	1.14
2WTN-24-1936	24	19 x 36	0.050	0.058	1.27	1.47	3.24	1.46
2WTN-22-730	22	7 x 30	0.056	0.064	1.42	1.62	4.18	1.89
2WTN-22-1934	22	19 x 34	0.056	0.064	1.42	1.62	4.43	2.00
2WTN-20-728	20	7 x 28	0.064	0.072	1.62	1.82	5.83	2.64
2WTN-20-1932	20	19 x 32	0.064	0.072	1.62	1.82	6.18	2.80
2WTN-18-726	18	7 x 26	0.074	0.084	1.87	2.13	8.33	3.77
2WTN-18-1930	18	19 x 30	0.074	0.084	1.87	2.13	8.52	3.86
2WTN-16-1929	16	19 x 29	0.083	0.095	2.10	2.41	10.90	4.94
2WTN-14-1927	14	19 x 27	0.098	0.114	2.48	2.89	16.30	7.39
2WTN-12-1925	12	19 x 25	0.117	0.133	2.97	3.37	24.70	11.20
2WTN-10-3726	10	37 x 26	0.137	0.153	3.47	3.88	36.70	16.64

MIL-W-22759/5

Conductor:

Silver coated copper

Insulation:

Extruded PTFE mineral filled

Jacket:

None

Temperature Rating:

200° C

Voltage Rating:

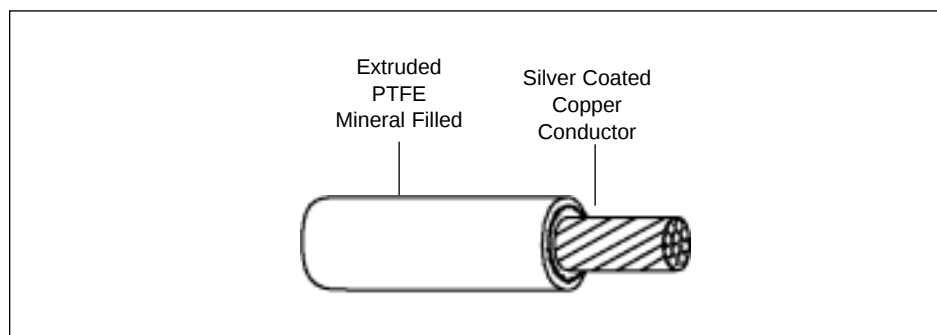
600 V

MIL-DTL-27500 Symbol:

VA

MIL Composite Equivalent:

none



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75905-24	24	19 x 36	0.070	0.080	1.78	2.03	6.0	2.72
75905-22	22	19 x 34	0.080	0.090	2.03	2.29	8.0	3.62
75905-20	20	19 x 32	0.090	0.100	2.29	2.54	10.0	4.53

MIL-W-22759/6

Conductor:

Nickel coated copper

Insulation:

Extruded PTFE mineral filled

Jacket:

None

Temperature Rating:

260° C

Voltage Rating:

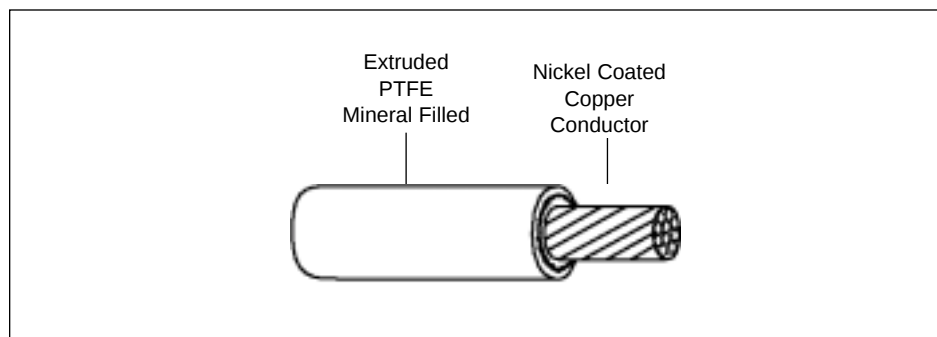
600 V

MIL-DTL-27500 Symbol:

WA

MIL Composite Equivalent:

none



Product Code	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75906-24	24	19 x 36	0.070	0.080	1.78	2.03	6.0	2.72
75906-22	22	19 x 34	0.080	0.090	2.03	2.29	8.0	3.62
75906-20	20	19 x 32	0.090	0.100	2.29	2.54	10.0	4.53

MIL-W-22759/7

Conductor:

Silver coated copper

Insulation:

Extruded PTFE
mineral filled

Jacket:

None

Temperature Rating:

200° C

Voltage Rating:

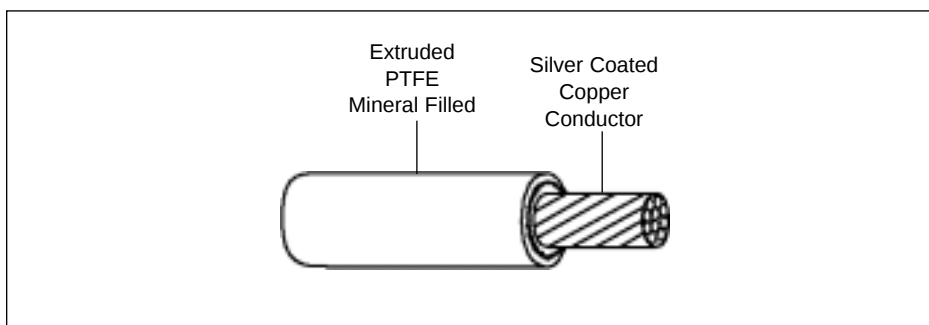
600 V

MIL-DTL-27500 Symbol:

SA

MIL Composite Equivalent:

None



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75907-24	24	19 x 36	0.060	0.064	1.52	1.62	4.3	1.95
75907-22	22	19 x 34	0.071	0.075	1.80	1.90	6.0	2.72
75907-20	20	19 x 32	0.080	0.084	2.03	2.13	8.1	3.67
75907-18	18	19 x 30	0.090	0.094	2.28	2.38	11.0	4.99
75907-16	16	19 x 29	0.099	0.105	2.51	2.66	13.8	6.26
75907-14	14	19 x 27	0.112	0.118	2.84	2.99	18.6	8.44
75907-12	12	19 x 25	0.131	0.137	3.32	3.47	28.5	12.93
75907-10	10	37 x 36	0.154	0.162	3.91	3.86	41.8	18.96
75907-8	8	133 x 29	0.215	0.225	5.64	5.72	73.1	33.16

MIL-W-22759/8

Conductor:

Nickel coated copper

Insulation:

Extruded PTFE
mineral filled

Jacket:

None

Temperature Rating:

260° C

Voltage Rating:

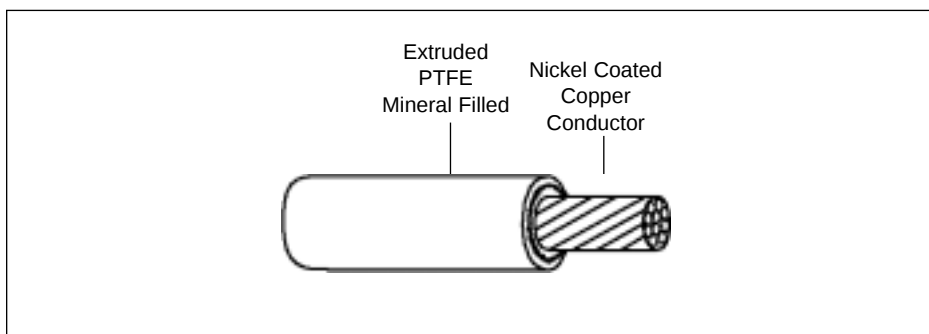
600 V

MIL-DTL-27500 Symbol:

TA

MIL Composite Equivalent:

None



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75908-24	24	19 x 36	0.060	0.064	1.52	1.62	4.3	1.95
75908-22	22	19 x 34	0.071	0.075	1.80	1.90	6.0	2.72
75908-20	20	19 x 32	0.080	0.084	2.03	2.13	8.1	3.67
75908-18	18	19 x 30	0.090	0.094	2.28	2.38	11.0	4.99
75908-16	16	19 x 29	0.099	0.105	2.51	2.66	13.8	6.26
75908-14	14	19 x 27	0.112	0.118	2.84	2.99	18.6	8.44
75908-12	12	19 x 25	0.131	0.137	3.32	3.47	28.5	12.93
75908-10	10	37 x 36	0.154	0.162	3.91	3.86	41.8	18.96
75908-8	8	133 x 29	0.215	0.225	5.64	5.72	73.1	33.16

MIL-W-22759/9

Conductor:

Silver coated copper

Insulation:

Extruded PTFE

Jacket:

None

Temperature Rating:

200° C

Voltage Rating:

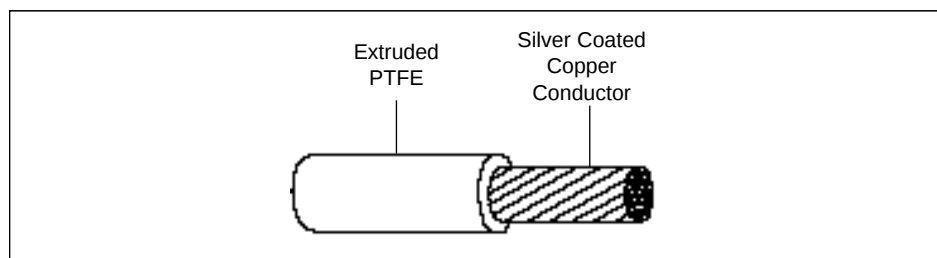
1000 V

MIL-DTL-27500 Symbol:

LE

MIL Composite Equivalent:

None



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75909-28	28	7 x 36	0.041	0.045	1.04	1.14	1.90	0.86
75909-26	26	19 x 38	0.046	0.050	1.16	1.27	2.57	1.17
75909-24	24	19 x 36	0.051	0.055	1.29	1.39	3.33	1.51
75909-22	22	19 x 34	0.058	0.062	1.47	1.57	4.60	2.09
75909-20	20	19 x 32	0.066	0.070	1.67	1.77	6.40	2.90
75909-18	18	19 x 30	0.076	0.080	1.93	2.03	9.10	4.13
75909-16	16	19 x 29	0.083	0.087	2.10	2.20	11.00	4.99
75909-14	14	19 x 27	0.097	0.103	2.46	2.61	16.40	7.44
75909-12	12	19 x 25	0.116	0.124	2.94	3.14	25.30	11.48
75909-10	10	37 x 26	0.137	0.145	3.47	3.68	38.20	17.33

MIL-W-22759/10

Conductor:

Nickel coated copper

Insulation:

Extruded PTFE

Jacket:

None

Temperature Rating:

260° C

Voltage Rating:

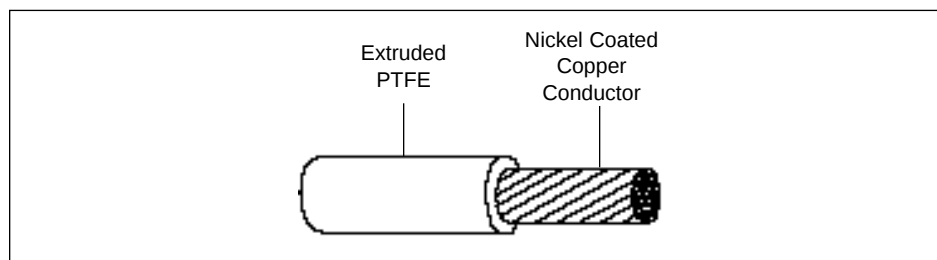
1000 V

MIL-DTL-27500 Symbol:

LH

MIL Composite Equivalent:

none



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75910-28	28	7 x 36	0.041	0.045	1.04	1.14	1.90	0.86
75910-26	26	19 x 38	0.046	0.050	1.16	1.27	2.57	1.17
75910-24	24	19 x 36	0.051	0.055	1.29	1.39	3.33	1.51
75910-22	22	19 x 34	0.058	0.062	1.47	1.57	4.60	2.09
75910-20	20	19 x 32	0.066	0.070	1.67	1.77	6.40	2.90
75910-18	18	19 x 30	0.076	0.080	1.93	2.03	9.10	4.13
75910-16	16	19 x 29	0.083	0.087	2.10	2.20	11.00	4.99
75910-14	14	19 x 27	0.097	0.103	2.46	2.61	16.40	7.44
75910-12	12	19 x 25	0.116	0.124	2.94	3.14	25.30	11.48
75910-10	10	37 x 26	0.137	0.145	3.47	3.68	38.20	17.33
75910-8	8	133 x 29	0.202	0.212	5.13	5.38	68.80	31.21

MIL-W-22759/11

Conductor:

Silver coated copper

Insulation:

Extruded PTFE

Jacket:

None

Temperature Rating:

200° C

Voltage Rating:

600 V

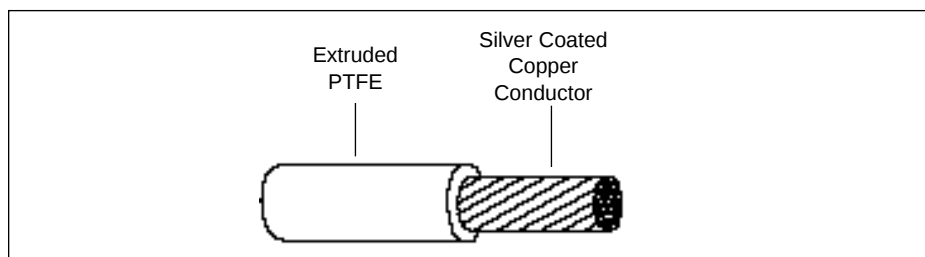
MIL-DTL-27500 Symbol:

RC

MIL Composite Equivalent:

/86

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75911-28	28	7 x 36	0.031	0.035	0.79	0.89	1.36	0.62
75911-26	26	19 x 38	0.036	0.040	0.91	1.01	1.90	0.86
75911-24	24	19 x 36	0.041	0.045	1.04	1.14	2.58	1.17
75911-22	22	19 x 34	0.047	0.051	1.19	1.29	3.72	1.69
75911-20	20	19 x 32	0.056	0.060	1.42	1.52	5.43	2.46
75911-18	18	19 x 30	0.066	0.070	1.67	1.77	8.14	3.69
75911-16	16	19 x 29	0.073	0.077	1.85	1.95	10.00	4.54
75911-14	14	19 x 27	0.088	0.092	2.23	2.33	15.10	6.85
75911-12	12	19 x 25	0.108	0.114	2.74	2.89	24.10	10.93
75911-10	10	37 x 26	0.135	0.143	3.42	3.63	37.80	17.15
75911-8	8	133 x 29	0.198	0.206	5.02	5.23	65.50	29.71



MIL-W-22759/12

Conductor:

Nickel coated copper

Insulation:

Extruded PTFE

Jacket:

None

Temperature Rating:

260° C

Voltage Rating:

600 V

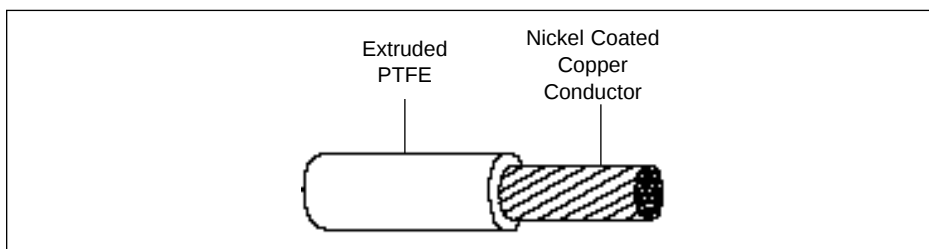
MIL-DTL-27500 Symbol:

RE

MIL Composite Equivalent:

/87

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75912-28	28	7 x 36	0.031	0.035	0.79	0.89	1.36	0.62
75912-26	26	19 x 38	0.036	0.040	0.91	1.01	1.90	0.86
75912-24	24	19 x 36	0.041	0.045	1.04	1.14	2.58	1.17
75912-22	22	19 x 34	0.047	0.051	1.19	1.29	3.72	1.69
75912-20	20	19 x 32	0.056	0.060	1.42	1.52	5.43	2.46
75912-18	18	19 x 30	0.066	0.070	1.67	1.77	8.14	3.69
75912-16	16	19 x 29	0.073	0.077	1.85	1.95	10.00	4.54
75912-14	14	19 x 27	0.088	0.092	2.23	2.33	15.10	6.85
75912-12	12	19 x 25	0.108	0.114	2.74	2.89	24.10	10.93
75912-10	10	37 x 26	0.135	0.143	3.42	3.63	39.00	17.69
75912-8	8	133 x 29	0.200	0.208	5.02	5.23	67.00	30.39



MIL-W-22759/13

Conductor:

Tin coated copper

Insulation:

Extruded FEP

Jacket:

Clear PVDF

Temperature Rating:

135° C

Voltage Rating:

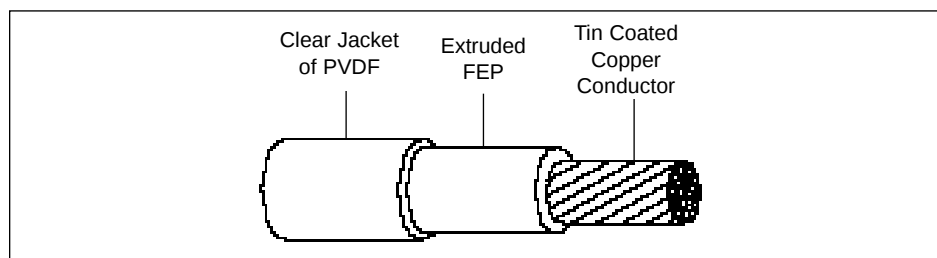
600 V

MIL-DTL-27500 Symbol:

CA

MIL Composite Equivalent:

/88



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75913-24	24	19 x 36	0.047	0.051	1.19	1.29	2.9	1.32
75913-22	22	19 x 34	0.048	0.054	1.21	1.37	3.9	1.77
75913-20	20	19 x 32	0.058	0.064	1.44	1.62	5.5	2.49
75913-18	18	19 x 30	0.068	0.074	1.72	1.87	8.0	3.63
75913-16	16	19 x 29	0.073	0.081	1.85	2.05	10.1	4.58
75913-14	14	19 x 27	0.087	0.095	2.20	2.41	15.5	7.03
75913-12	12	37 x 28	0.107	0.115	2.71	2.92	23.0	10.43
75913-10	10	37 x 26	0.134	0.142	3.40	3.60	35.7	16.19

MIL-W-22759/14

Conductor:

Tin coated copper

Insulation:

Extruded FEP

Jacket:

Clear PVDF

Temperature Rating:

135° C

Voltage Rating:

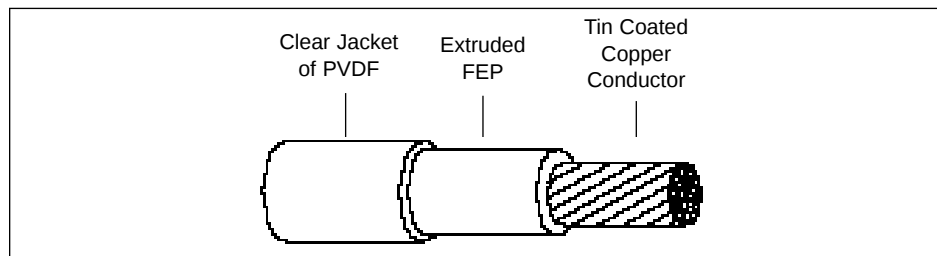
600 V

MIL-DTL-27500 Symbol:

CB

MIL Composite Equivalent:

/88



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75914-26	26	19 x 38	0.035	0.039	0.89	0.99	1.80	0.82
75914-24	24	19 x 36	0.040	0.044	1.01	1.11	2.47	1.12
75914-22	22	19 x 34	0.045	0.051	1.14	1.29	3.53	1.60
75914-20	20	19 x 32	0.053	0.059	1.34	1.49	5.13	2.33
75914-18	18	19 x 30	0.063	0.069	1.60	1.75	7.64	3.47
75914-16	16	19 x 29	0.067	0.075	1.70	1.90	9.34	4.24
75914-14	14	19 x 27	0.083	0.091	2.10	2.31	14.40	6.53
75914-12	12	37 x 28	0.103	0.111	2.61	2.81	22.30	10.12

MIL-W-22759/15

Conductor:

Silver coated high strength copper alloy

Insulation:

Extruded FEP

Jacket:

Clear PVDF

Temperature Rating:

135° C

Voltage Rating:

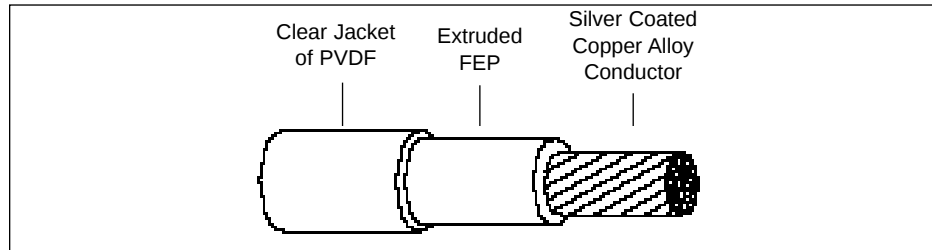
600 V

MIL-DTL-27500 Symbol:

CC

MIL Composite Equivalent:

/89



Nexans Description	AWG	Conductor Stranding	Finished Diameter		Max (mm)		Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75915-26	26	19 x 38	0.035	0.039	0.89	0.99	1.75	0.79
75915-24	24	19 x 36	0.040	0.044	1.01	1.11	2.42	1.10
75915-22	22	19 x 34	0.045	0.051	1.14	1.29	3.59	1.63
75915-20	20	19 x 32	0.053	0.059	1.21	1.49	5.22	2.37

Extruded ETFE

MIL-W-22759/16

Conductor:

Tin coated copper

Insulation:

Extruded ETFE

Jacket:

None

Temperature Rating:

150° C

Voltage Rating:

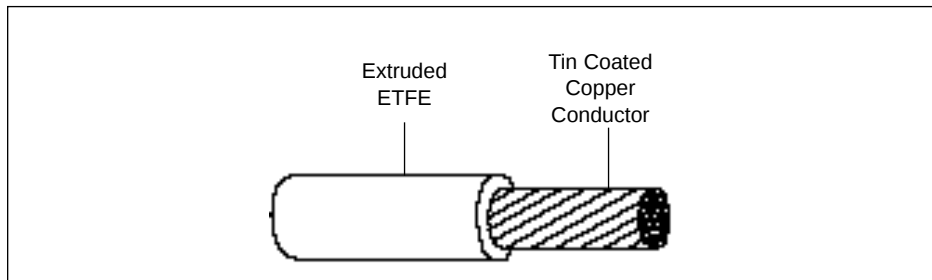
600 V

MIL-DTL-27500 Symbol:

TE

MIL Composite Equivalent:

/88



Nexans Description	AWG	Conductor Stranding	Finished Diameter		Max (mm)		Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75916-24	24	19 x 36	0.043	0.047	1.09	1.19	2.57	1.17
75916-22	22	19 x 34	0.050	0.054	1.27	1.37	3.68	1.67
75916-20	20	19 x 32	0.058	0.062	1.47	1.57	5.36	2.43
75916-18	18	19 x 30	0.069	0.073	1.75	1.85	7.89	3.58
75916-16	16	19 x 29	0.077	0.081	1.95	2.05	9.95	4.51
75916-14	14	19 x 27	0.091	0.095	2.31	2.41	14.90	6.76
75916-12	12	37 x 28	0.111	0.117	2.81	2.97	22.60	10.25
75916-10	10	37 x 26	0.136	0.142	3.45	3.60	35.10	15.92
75916-8	8	133 x 29	0.196	0.202	4.97	5.13	63.30	28.71
75916-6	6	133 x 27	0.247	0.253	6.27	6.42	99.90	45.31
75916-4	4	133 x 25	0.308	0.316	7.82	8.02	157.00	71.21
75916-2	2	665 x 30	0.384	0.392	9.75	9.95	245.00	111.13
75916-1	1	817 x 30	0.426	0.436	10.82	11.07	314.00	142.43
75916-01	0	1045 x 30	0.473	0.485	12.01	12.31	391.00	177.35
75916-02	00	1330 x 30	0.539	0.553	13.69	14.04	504.00	228.61

MIL-W-22759/17

Conductor:

Silver coated high strength copper alloy

Insulation:

Extruded ETFE

Jacket:

None

Temperature Rating:

150° C

Voltage Rating:

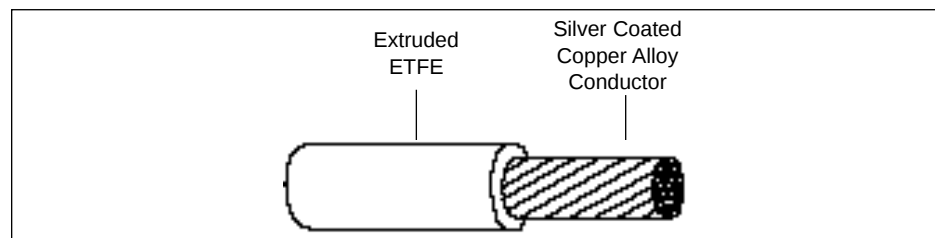
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MIL-DTL-27500 Symbol:

TF

MIL Composite Equivalent:

/89



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75917-26	26	19 x 38	0.038	0.042	0.97	1.06	1.76	0.80
75917-24	24	19 x 36	0.043	0.047	1.09	1.19	2.43	1.10
75917-22	22	19 x 34	0.050	0.054	1.27	1.37	3.50	1.59
75917-20	20	19 x 32	0.058	0.062	1.47	1.57	5.14	2.33

MIL-W-22759/18

Conductor:

Tin coated copper

Insulation:

Extruded ETFE

Jacket:

None

Temperature Rating:

150° C

Voltage Rating:

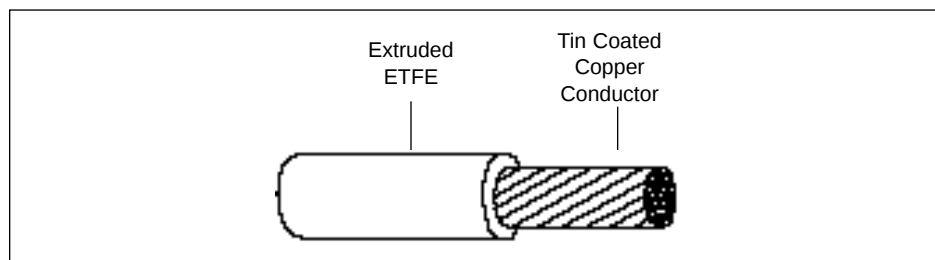
600 V

MIL-DTL-27500 Symbol:

TG

MIL Composite Equivalent:

/80



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75918-26	26	19 x 38	0.030	0.034	0.76	0.86	1.52	0.69
75918-24	24	19 x 36	0.034	0.038	0.86	0.97	2.12	0.97
75918-22	22	19 x 34	0.041	0.045	1.04	1.14	3.16	1.43
75918-20	20	19 x 32	0.049	0.053	1.24	1.34	4.76	2.16
75918-18	18	19 x 30	0.059	0.063	1.49	1.60	7.10	3.22
75918-16	16	19 x 29	0.068	0.072	1.72	1.82	9.14	4.15
75918-14	14	19 x 27	0.083	0.087	2.10	2.20	14.10	6.40
75918-12	12	37 x 28	0.104	0.110	2.64	2.79	21.60	9.80
75918-10	10	37 x 26	0.131	0.137	3.32	3.47	34.10	15.47

MIL-W-22759/19

Conductor:

Silver coated high strength copper alloy

Insulation:

Extruded ETFE

Jacket:

None

Temperature Rating:

150° C

Voltage Rating:

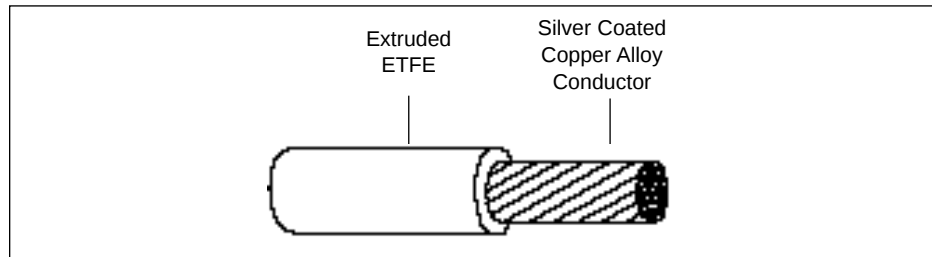
600 V

MIL-DTL-27500 Symbol:

TH

MIL Composite Equivalent:

/81



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75919-26	26	19 x 38	0.030	0.034	0.76	0.86	1.41	0.64
75919-24	24	19 x 36	0.034	0.038	0.86	0.97	1.99	0.90
75919-22	22	19 x 34	0.041	0.045	1.04	1.14	2.98	1.35
75919-20	20	19 x 32	0.049	0.053	1.24	1.34	4.59	2.08

Extruded PTFE

MIL-W-22759/20

Conductor:

Silver coated high strength copper alloy

Insulation:

Extruded PTFE

Jacket:

None

Temperature Rating:

200° C

Voltage Rating:

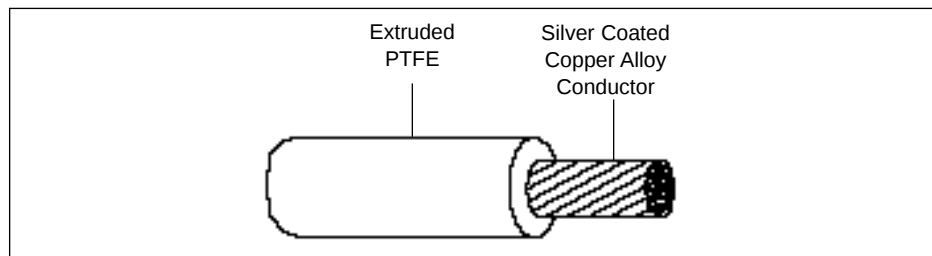
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MIL-DTL-27500 Symbol:

TK

MIL Composite Equivalent:

None



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75920-28	28	7 x 36	0.041	0.045	1.04	1.14	1.91	0.87
75920-26	26	19 x 38	0.046	0.050	1.16	1.27	2.57	1.16
75920-24	24	19 x 36	0.051	0.055	1.29	1.39	3.35	1.51
75920-22	22	19 x 34	0.058	0.062	1.47	1.57	4.59	2.08
75920-20	20	19 x 32	0.066	0.070	1.67	1.77	6.41	2.90

MIL-W-22759/21

Conductor:

Nickel coated high strength copper alloy

Insulation:

Extruded PTFE

Jacket:

None

Temperature Rating:

260° C

Voltage Rating:

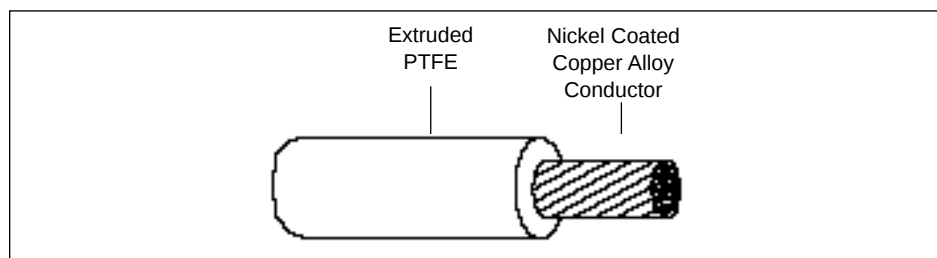
1000 V

MIL-DTL-27500 Symbol:

TL

MIL Composite Equivalent:

None



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75921-28	28	7 x 36	0.041	0.045	1.04	1.14	1.93	0.88
75921-26	26	19 x 38	0.046	0.050	1.16	1.27	2.60	1.17
75921-24	24	19 x 36	0.051	0.055	1.29	1.39	3.38	1.53
75921-22	22	19 x 34	0.058	0.062	1.47	1.57	4.61	2.09
75921-20	20	19 x 32	0.066	0.070	1.67	1.77	6.43	2.91

MIL-W-22759/22

Conductor:

Silver coated high strength copper alloy

Insulation:

Extruded PTFE

Jacket:

None

Temperature Rating:

200° C

Voltage Rating:

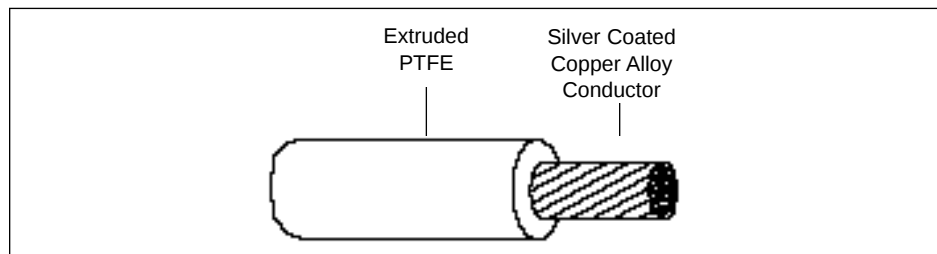
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MIL-DTL-27500 Symbol:

TM

MIL Composite Equivalent:

/89



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75922-28	28	7 x 36	0.031	0.035	0.78	0.89	1.32	0.60
75922-26	26	19 x 38	0.036	0.040	0.91	1.01	1.91	0.87
75922-24	24	19 x 36	0.041	0.045	1.04	1.14	2.61	1.18
75922-22	22	19 x 34	0.047	0.051	1.19	1.29	3.68	1.66
75922-20	20	19 x 32	0.056	0.060	1.42	1.52	5.38	2.44

MIL-W-22759/23

Conductor:

Nickel coated high strength copper alloy

Insulation:

Extruded PTFE

Jacket:

None

Temperature Rating:

260° C

Voltage Rating:

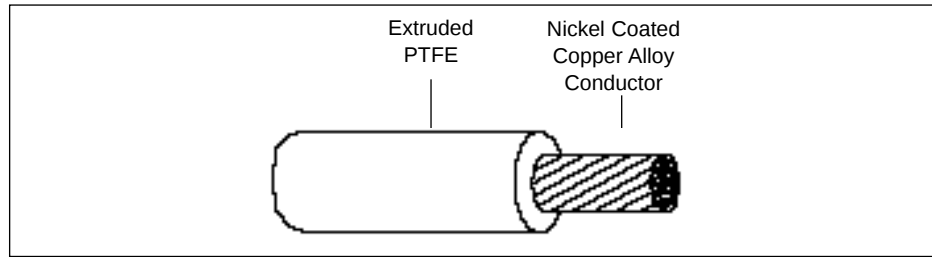
600 V

MIL-DTL-27500 Symbol:

TN

MIL Composite Equivalent:

/90



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75923-28	28	7 x 36	0.031	0.035	1.04	1.14	1.34	0.61
75923-26	26	19 x 38	0.036	0.040	1.16	1.27	1.92	0.87
75923-24	24	19 x 36	0.041	0.045	1.29	1.39	2.63	1.19
75923-22	22	19 x 34	0.047	0.051	1.47	1.57	3.73	1.69
75923-20	20	19 x 32	0.056	0.060	1.67	1.77	5.44	2.46

MIL-W-22759/28

Conductor:

Silver coated copper

Insulation:

Extruded PTFE

Jacket:

Polyimide coating

Temperature Rating:

200° C

Voltage Rating:

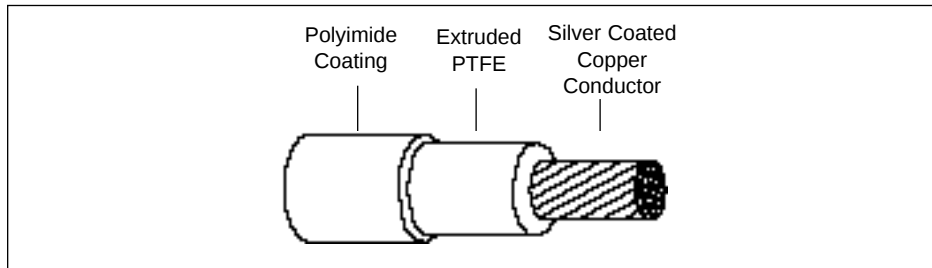
600 V

MIL-DTL-27500 Symbol:

JB

MIL Composite Equivalent:

/86



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75928-28	28	7 x 36	0.032	0.036	0.81	0.91	1.35	0.61
75928-26	26	19 x 38	0.037	0.041	0.94	1.04	1.92	0.87
75928-24	24	19 x 36	0.042	0.046	1.06	1.16	2.61	1.18
75928-22	22	19 x 34	0.048	0.052	1.21	1.32	3.66	1.66
75928-20	20	19 x 32	0.057	0.061	1.44	1.54	5.42	2.45
75928-18	18	19 x 30	0.067	0.071	1.70	1.80	8.05	3.65
75928-16	16	19 x 29	0.073	0.079	1.85	2.00	9.88	4.48
75928-14	14	19 x 27	0.088	0.094	2.23	2.38	14.90	6.75
75928-12	12	19 x 25	0.108	0.114	2.74	2.89	23.00	10.43
75928-10	10	37 x 26	0.137	0.143	3.47	3.63	35.20	15.96

MIL-W-22759/29

Conductor:

Nickel coated copper

Insulation:

Extruded PTFE

Jacket:

Polyimide coating

Temperature Rating:

260° C

Voltage Rating:

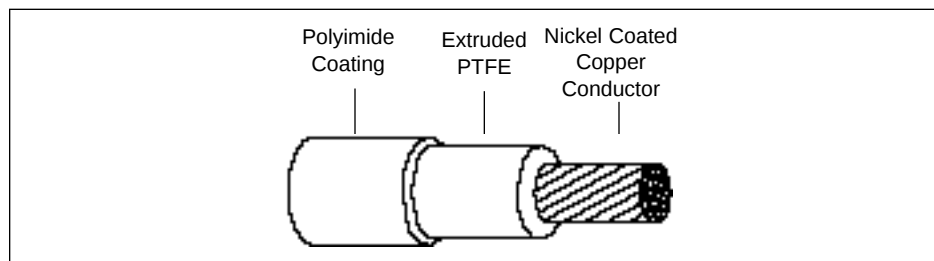
600 V

MIL-DTL-27500 Symbol:

JC

MIL Composite Equivalent:

/87



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75929-28	28	7 x 36	0.032	0.036	0.81	0.91	1.37	0.62
75929-26	26	19 x 38	0.037	0.041	0.94	1.04	1.99	0.90
75929-24	24	19 x 36	0.042	0.046	1.06	1.16	2.73	1.23
75929-22	22	19 x 34	0.048	0.052	1.21	1.32	3.77	1.71
75929-20	20	19 x 32	0.057	0.061	1.44	1.54	5.55	2.51
75929-18	18	19 x 30	0.067	0.071	1.70	1.80	8.15	3.69
75929-16	16	19 x 29	0.073	0.079	1.85	2.00	10.10	4.58
75929-14	14	19 x 27	0.088	0.094	2.23	2.38	15.30	6.94
75929-12	12	19 x 25	0.108	0.114	2.74	2.89	23.60	10.70
75929-10	10	37 x 26	0.137	0.143	3.47	3.63	36.10	16.37

MIL-W-22759/30

Conductor:

Silver coated high strength copper alloy

Insulation:

Extruded PTFE

Jacket:

Polyimide coating

Temperature Rating:

200° C

Voltage Rating:

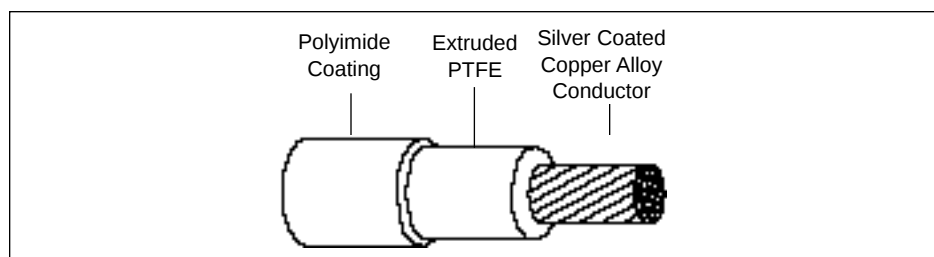
600 V

MIL-DTL-27500 Symbol:

JD

MIL Composite Equivalent:

/89



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75930-28	28	7 x 36	0.032	0.036	0.81	0.91	1.35	0.61
75930-26	26	19 x 38	0.037	0.041	0.94	1.04	1.93	0.88
75930-24	24	19 x 36	0.042	0.046	1.06	1.16	2.63	1.19
75930-22	22	19 x 34	0.048	0.052	1.21	1.32	3.68	1.66
75930-20	20	19 x 32	0.057	0.061	1.44	1.54	5.45	2.47

MIL-W-22759/31

Conductor:

Nickel coated high strength copper alloy

Insulation:

Extruded PTFE

Jacket:

Polyimide coating

Temperature Rating:

260° C

Voltage Rating:

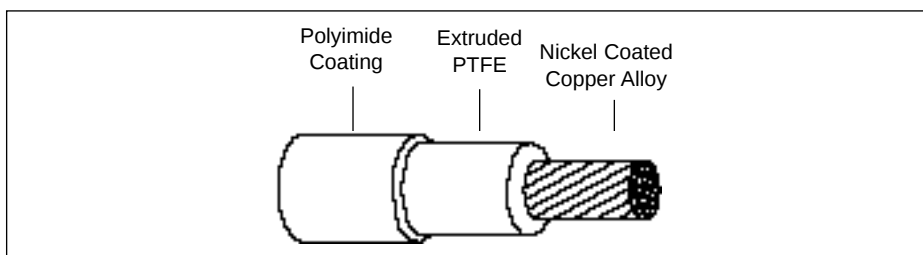
600 V

MIL-DTL-27500 Symbol:

JE

MIL Composite Equivalent:

/90



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75931-28	28	7 x 36	0.032	0.036	0.81	0.91	1.37	0.62
75931-26	26	19 x 38	0.037	0.041	0.93	1.04	1.99	0.90
75931-24	24	19 x 36	0.042	0.046	1.06	1.16	2.73	1.23
75931-22	22	19 x 34	0.048	0.052	1.21	1.32	3.77	1.71
75931-20	20	19 x 32	0.057	0.061	1.44	1.54	5.55	2.51

MIL-W-22759/32

Conductor:

Tin coated copper

Insulation:

XL-ETFE Single layer

Jacket:

None

Temperature Rating:

150° C

Voltage Rating:

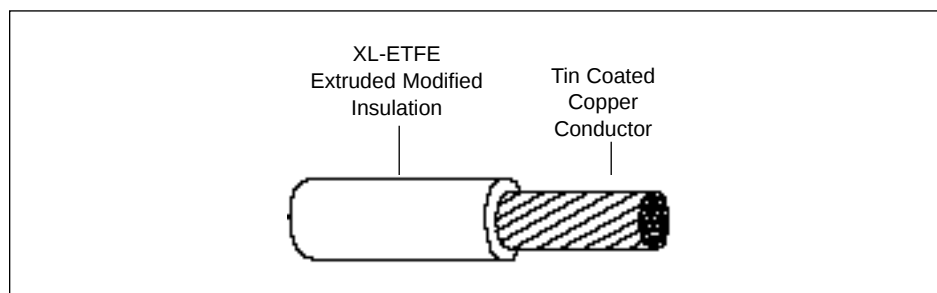
600 V

MIL-DTL-27500 Symbol:

SB

MIL Composite Equivalent:

/80



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75932-30	30	7 x 38	0.022	0.026	0.56	0.66	0.66	0.30
75932-28	28	7 x 36	0.025	0.029	0.64	0.74	0.91	0.41
75932-26	26	19 x 38	0.030	0.034	0.76	0.86	1.40	0.64
75932-24	24	19 x 36	0.035	0.039	0.89	0.99	2.00	0.91
75932-22	22	19 x 34	0.041	0.045	1.04	1.14	2.80	1.27
75932-20	20	19 x 32	0.048	0.052	1.21	1.32	4.30	1.95
75932-18	18	19 x 30	0.058	0.062	1.47	1.57	6.50	2.94
75932-16	16	19 x 29	0.066	0.070	1.67	1.77	8.30	3.76
75932-14	14	19 x 27	0.082	0.088	2.08	2.23	13.00	5.89
75932-12	12	37 x 28	0.100	0.106	2.54	2.69	19.70	8.93

MIL-W-22759/33

Conductor:

Silver coated high strength copper alloy

Insulation:

XL-ETFE Single layer

Jacket:

None

Temperature Rating:

200° C

Voltage Rating:

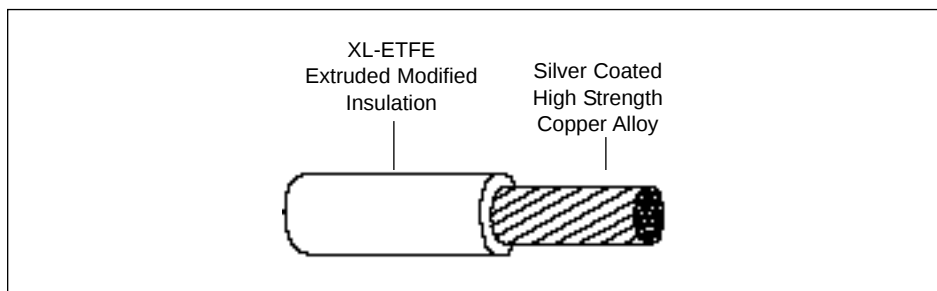
600 V

MIL-DTL-27500 Symbol:

SC

MIL Composite Equivalent:

/81



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75933-30	30	7 x 38	0.022	0.026	0.56	0.66	0.66	0.30
75933-28	28	7 x 36	0.025	0.029	0.64	0.74	0.91	0.41
75933-26	26	19 x 38	0.030	0.034	0.76	0.86	1.40	0.64
75933-24	24	19 x 36	0.035	0.039	0.89	0.99	2.00	0.91
75933-22	22	19 x 34	0.041	0.045	1.04	1.14	2.90	1.31
75933-20	20	19 x 32	0.048	0.052	1.21	1.32	4.40	1.99

MIL-W-22759/34

Conductor:

Tin coated copper

Insulation:

XL-ETFE

Jacket:

XL-ETFE

Braid:

Treated aromatic polyamide for size 2 and larger

Temperature Rating:

150° C

Voltage Rating:

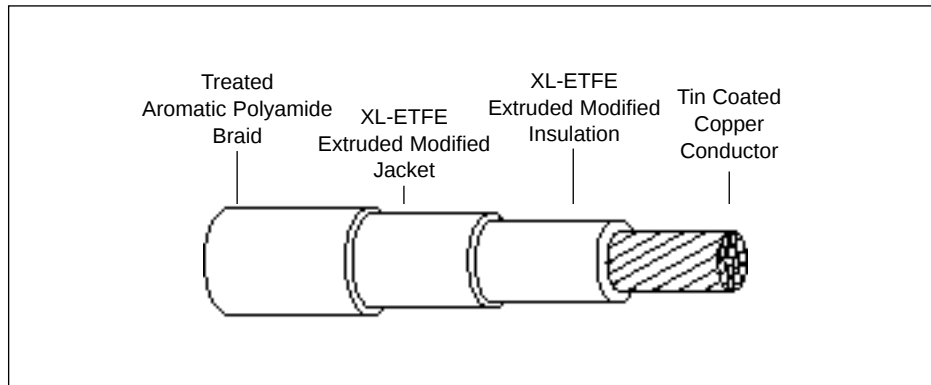
600 V

MIL-DTL-27500 Symbol:

SD

MIL Composite Equivalent:

/88 & /85



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min. (inch)	Max. (inch)	Min. (mm)	Max (mm)	Lbs	Kg
75934-24	24	19 x 36	0.043	0.047	1.09	1.19	2.3	1.04
75934-22	22	19 x 34	0.048	0.052	1.21	1.32	3.2	1.45
75934-20	20	19 x 32	0.056	0.060	1.42	1.52	4.7	2.13
75934-18	18	19 x 30	0.067	0.073	1.70	1.85	7.2	3.26
75934-16	16	19 x 29	0.074	0.080	1.87	2.03	9.0	4.08
75934-14	14	19 x 27	0.091	0.097	2.31	2.46	13.8	6.25
75934-12	12	37 x 28	0.108	0.114	2.74	2.89	20.5	9.29
75934-10	10	37 x 26	0.130	0.138	3.30	3.50	32.4	14.69
75934-8	8	133 x 29	0.187	0.203	4.74	5.15	60.3	27.35
75934-6	6	133 x 27	0.231	0.251	5.86	6.37	94.5	42.86
75934-4	4	133 x 25	0.300	0.320	7.62	8.12	150.0	68.04
75934-2	2	665 x 30	0.390	0.428	9.90	10.87	239.0	108.41
75934-1	1	817 x 30	0.429	0.461	10.89	11.70	290.0	131.54
75934-01	0	1045 x 30	0.469	0.501	11.91	12.72	377.0	171.00
75934-02	00	1330 x 30	0.529	0.561	13.43	14.24	487.0	220.90

MIL-W-22759/35

Conductor:

Silver coated high strength copper alloy

Insulation:

XL-ETFE

Jacket:

XL-ETFE

Temperature Rating:

200° C

Voltage Rating:

600 V

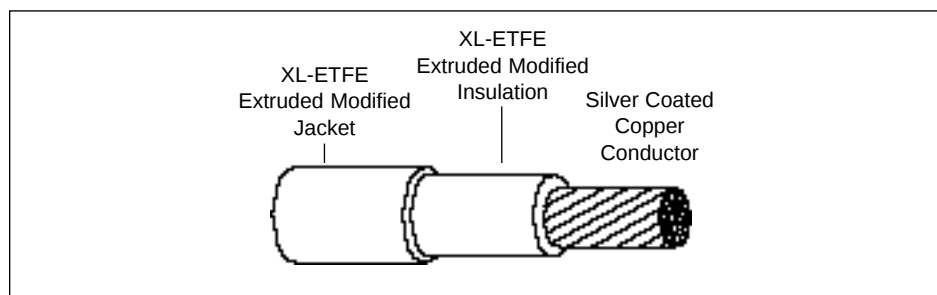
MIL-DTL-27500 Symbol:

SE

MIL Composite Equivalent:

/89

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75935-26	26	19 x 38	0.038	0.042	0.97	1.06	1.7	0.77
75935-24	24	19 x 36	0.043	0.047	1.09	1.19	2.3	1.04
75935-22	22	19 x 34	0.048	0.052	1.21	1.32	3.3	1.49
75935-20	20	19 x 32	0.056	0.060	1.42	1.52	4.8	2.17



MIL-W-22759/41

Conductor:

Nickel coated copper

Insulation:

XL-ETFE

Jacket:

XL-ETFE

Braid:

Treated aromatic polyamide for size 2 and larger

Temperature Rating:

200° C

Voltage Rating:

600 V

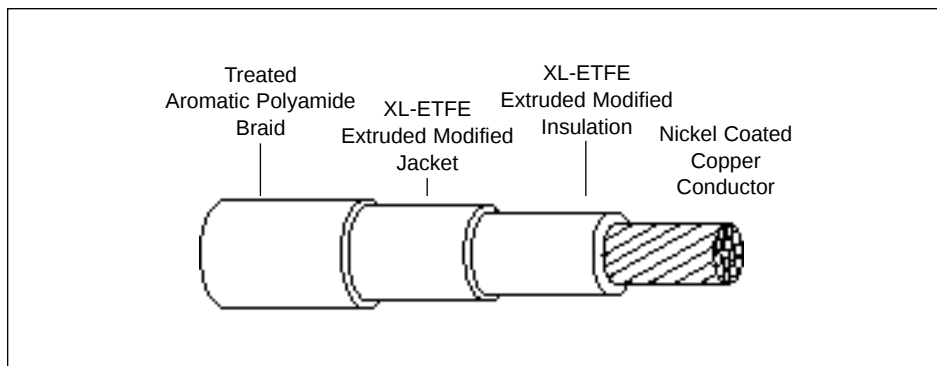
MIL-DTL-27500 Symbol:

SD

MIL Composite Equivalent:

/87 & /84

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75941-26	26	19 x 38	0.038	0.042	0.97	1.06	1.7	0.77
75941-24	24	19 x 36	0.043	0.047	1.09	1.19	2.3	1.04
75941-22	22	19 x 34	0.048	0.052	1.21	1.32	3.2	1.45
75941-20	20	19 x 32	0.056	0.060	1.42	1.52	4.7	2.13
75941-18	18	19 x 30	0.067	0.073	1.70	1.85	7.2	3.26
75941-16	16	19 x 29	0.074	0.080	1.87	2.03	9.0	4.08
75941-14	14	19 x 27	0.091	0.097	2.31	2.46	13.8	6.25
75941-12	12	37 x 28	0.108	0.114	2.74	2.89	20.5	9.29
75941-10	10	37 x 26	0.130	0.138	3.30	3.50	32.4	14.69
75941-8	8	133 x 29	0.187	0.203	4.74	5.15	60.3	27.35
75941-6	6	133 x 27	0.231	0.251	5.86	6.37	94.5	42.86
75941-4	4	133 x 25	0.300	0.320	7.62	8.12	150.0	68.04
75941-2	2	665 x 30	0.390	0.428	9.90	10.87	239.0	108.41
75941-1	1	817 x 30	0.429	0.461	10.89	11.70	290.0	131.54
75941-01	0	1045 x 30	0.469	0.501	11.91	12.72	377.0	171.00
75941-02	00	1330 x 30	0.529	0.561	13.43	14.24	518.0	234.96



MIL-W-22759/42

Conductor:

Nickel coated high strength copper alloy

Insulation:

XL-ETFE

Jacket:

XL-ETFE

Temperature Rating:

200° C

Voltage Rating:

600 V

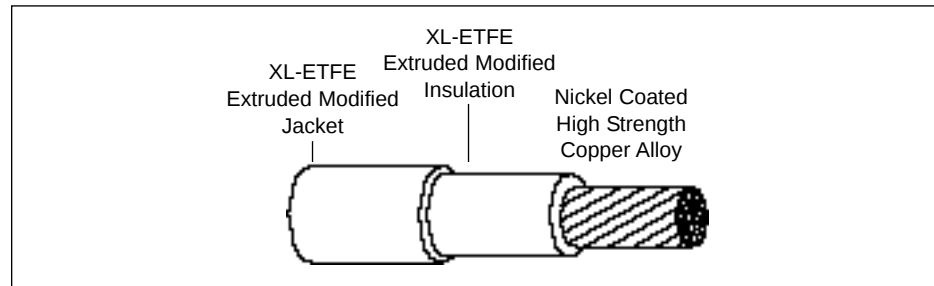
MIL-DTL-27500 Symbol:

SN

MIL Composite Equivalent:

/90

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Max.(inch)	Finished Diameter Min.(mm)	Max (mm)	Max Weight/1000 ft Lbs	Kg
75942-26	26	19 x 38	0.038	0.042	0.96	1.06	1.7	0.77
75942-24	24	19 x 36	0.043	0.047	1.09	1.19	2.3	1.04
75942-22	22	19 x 34	0.048	0.052	1.21	1.32	3.3	1.49
75942-20	20	19 x 32	0.056	0.060	1.42	1.52	4.8	2.17



MIL-W-22759/43

Conductor:

Silver coated copper

Insulation:

XL-ETFE

Jacket:

XL-ETFE

Braid:

Treated aromatic polyamide

Temperature Rating:

200° C

Voltage Rating:

600 V

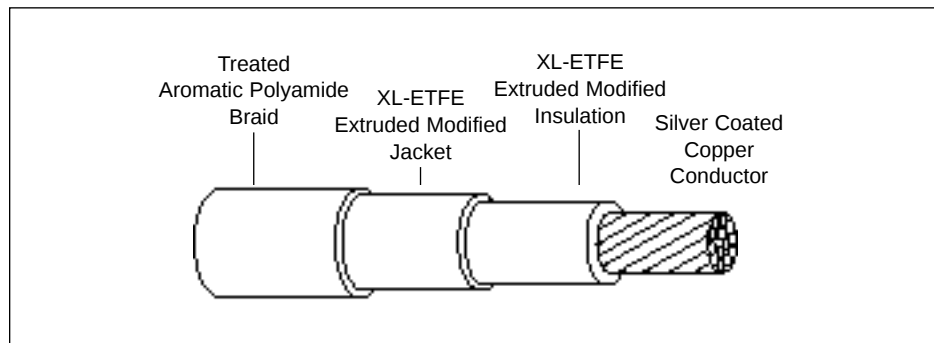
MIL-DTL-27500 Symbol:

SD

MIL Composite Equivalent:

/86 & /83

Nexans Description	AWG	Conductor Stranding	Min.(inch)	Max.(inch)	Finished Diameter Min.(mm)	Max (mm)	Max Weight/1000 ft Lbs	Kg
75943-26	26	19 x 38	0.038	0.042	0.97	1.06	1.7	0.77
75943-24	24	19 x 36	0.043	0.047	1.09	1.19	2.3	1.04
75943-22	22	19 x 34	0.048	0.052	1.21	1.32	3.2	1.45
75943-20	20	19 x 32	0.056	0.060	1.42	1.52	4.7	2.13
75943-18	18	19 x 30	0.067	0.073	1.70	1.85	7.2	3.26
75943-16	16	19 x 29	0.074	0.080	1.87	2.03	9.0	4.08
75943-14	14	19 x 27	0.091	0.097	2.31	2.46	13.8	6.25
75943-12	12	37 x 28	0.108	0.114	2.74	2.89	20.5	9.29
75943-10	10	37 x 26	0.130	0.138	3.30	3.50	32.4	14.69
75943-8	8	133 x 29	0.187	0.203	4.74	5.15	61.9	28.07
75943-6	6	133 x 27	0.231	0.251	5.86	6.37	94.5	42.86
75943-4	4	133 x 25	0.300	0.320	7.62	8.12	158.0	71.66
75943-2	2	665 x 30	0.390	0.428	9.90	10.87	239.0	108.41
75943-1	1	817 x 30	0.429	0.461	10.89	11.70	305.0	138.34
75943-01	0	1045 x 30	0.469	0.501	11.91	12.72	385.0	174.63
75943-02	00	1330 x 30	0.529	0.561	13.43	14.24	487.0	220.90



MIL-W-22759/44

Conductor:

Silver coated copper

Insulation:

XL-ETFE Single layer

Jacket:

None

Temperature Rating:

200° C

Voltage Rating:

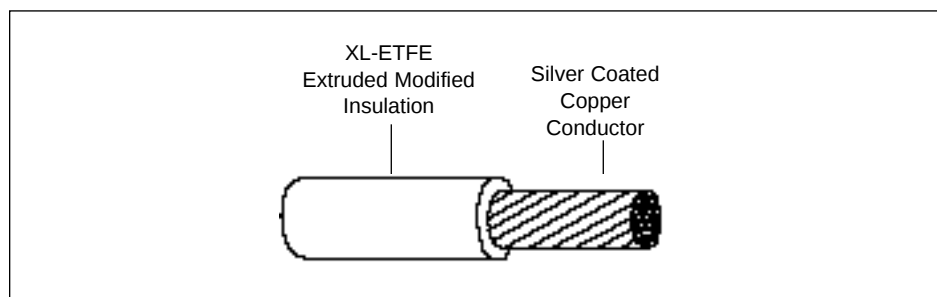
600 V

MIL-DTL-27500 Symbol:

SR

MIL Composite Equivalent:

/91



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75944-28	28	7 x 36	0.025	0.029	0.64	0.74	0.91	0.41
75944-26	26	19 x 38	0.030	0.034	0.76	0.86	1.40	0.64
75944-24	24	19 x 36	0.035	0.039	0.89	0.99	2.00	0.91
75944-22	22	19 x 34	0.041	0.045	1.04	1.14	2.80	1.27
75944-20	20	19 x 32	0.048	0.052	1.21	1.32	4.30	1.95
75944-18	18	19 x 30	0.058	0.062	1.47	1.57	6.50	2.94
75944-16	16	19 x 29	0.066	0.070	1.67	1.77	8.30	3.76
75944-14	14	19 x 27	0.082	0.088	2.08	2.23	13.00	5.89
75944-12	12	37 x 28	0.100	0.106	2.54	2.69	19.70	8.93

MIL-W-22759/45

Conductor:

Nickel coated copper

Insulation:

XL-ETFE Single layer

Jacket:

None

Temperature Rating:

200° C

Voltage Rating:

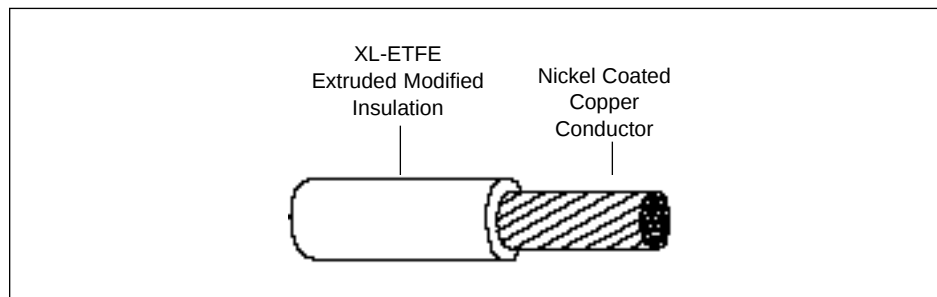
600 V

MIL-DTL-27500 Symbol:

SS

MIL Composite Equivalent:

/92



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75945-28	28	7 x 36	0.025	0.029	0.64	0.74	0.91	0.41
75945-26	26	19 x 38	0.030	0.034	0.76	0.86	1.40	0.64
75945-24	24	19 x 36	0.035	0.039	0.89	0.99	2.00	0.91
75945-22	22	19 x 34	0.041	0.045	1.04	1.14	2.80	1.27
75945-20	20	19 x 32	0.048	0.052	1.21	1.32	4.30	1.95
75945-18	18	19 x 30	0.058	0.062	1.47	1.57	6.50	2.94
75946-16	16	19 x 29	0.066	0.070	1.67	1.77	8.30	3.76
75945-14	14	19 x 27	0.082	0.088	2.08	2.23	13.00	5.89
75945-12	12	37 x 28	0.100	0.106	2.54	2.69	19.70	8.93

MIL-W-22759/46

Conductor:

Nickel coated high strength copper alloy

Insulation:

XL-ETFE Single layer

Jacket:

None

Temperature Rating:

200° C

Voltage Rating:

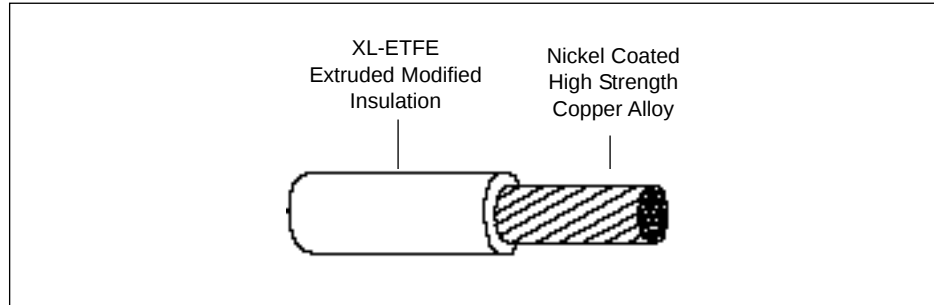
600 V

MIL-DTL-27500 Symbol:

ST

MIL Composite Equivalent:

/82



Nexans Description	AWG	Conductor Stranding	Min. (inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max. (inch)	Min. (mm)		Lbs	Kg
75946-28	28	7 x 36	0.025	0.029	0.64	0.74	0.91	0.41
75946-26	26	19 x 38	0.030	0.034	0.76	0.86	1.40	0.64
75946-24	24	19 x 36	0.035	0.039	0.89	0.99	2.00	0.91
75946-22	22	19 x 34	0.041	0.045	1.04	1.14	2.90	1.32
75946-20	20	19 x 32	0.048	0.052	1.21	1.32	4.40	1.99

MIL-DTL-22759/80

Conductor:

Tin coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

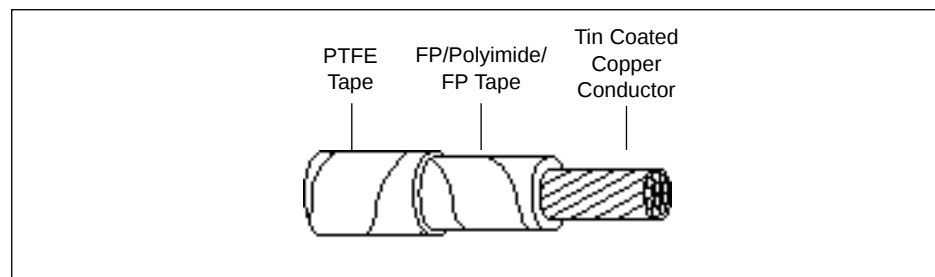
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WB



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75980-26	26	19 x 38	0.030	0.034	0.76	0.86	1.43	0.65
75980-24	24	19 x 36	0.034	0.038	0.86	0.97	1.93	0.88
75980-22	22	19 x 34	0.040	0.043	1.01	1.09	2.85	1.29
75980-20	20	19 x 32	0.048	0.051	1.21	1.29	4.38	1.98
75980-18	18	19 x 30	0.056	0.060	1.42	1.52	6.60	2.99
75980-16	16	19 x 29	0.063	0.067	1.60	1.70	8.30	3.76
75980-14	14	19 x 27	0.076	0.080	1.93	2.03	12.60	5.71
75980-12	12	37 x 28	0.096	0.100	2.43	2.54	19.60	8.89
75980-10	10	37 x 26	0.119	0.123	3.02	3.12	30.60	13.88

MIL-DTL-22759/81

Conductor:

Silver coated high strength copper alloy

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

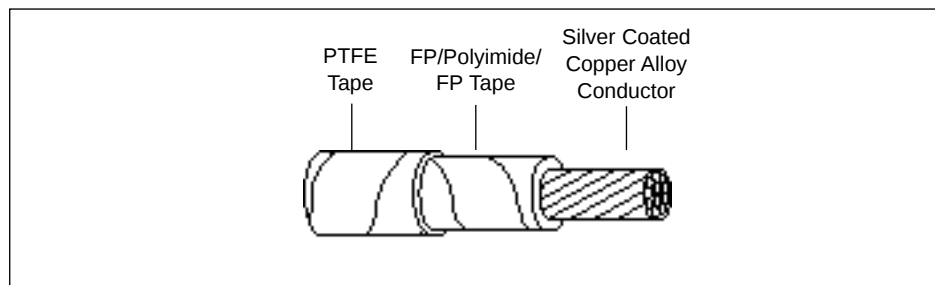
200° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WC



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75981-26	26*	19 x 38	0.030	0.034	0.76	0.86	1.43	0.65
75981-24	24	19 x 36	0.034	0.038	0.86	0.97	1.93	0.88
75981-22	22	19 x 34	0.040	0.043	1.01	1.09	2.85	1.29
75981-20	20	19 x 32	0.048	0.051	1.21	1.29	4.38	1.98

*Conductor shall be ultra-high strength copper alloy

MIL-DTL-22759/82

Conductor:

Nickel coated high strength copper alloy

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

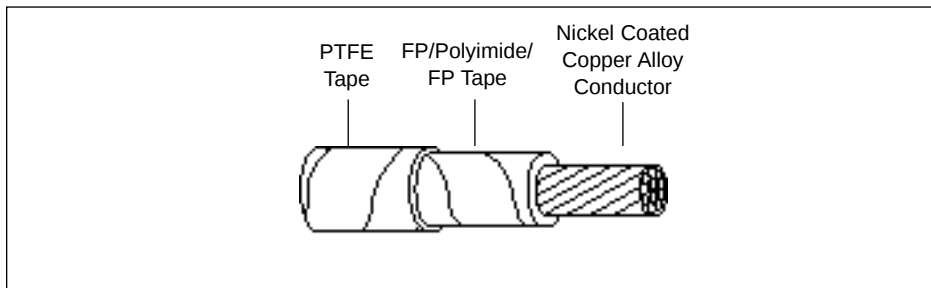
260° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WE



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75982-26	26*	19 x 38	0.030	0.034	0.76	0.86	1.43	0.65
75982-24	24	19 x 36	0.034	0.038	0.86	0.97	1.93	0.88
75982-22	22	19 x 34	0.040	0.043	1.01	1.09	2.85	1.29
75982-20	20	19 x 32	0.048	0.051	1.21	1.29	4.38	1.98

*Conductor shall be ultra-high strength copper alloy

MIL-DTL-22759/83

Conductor:

Silver coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

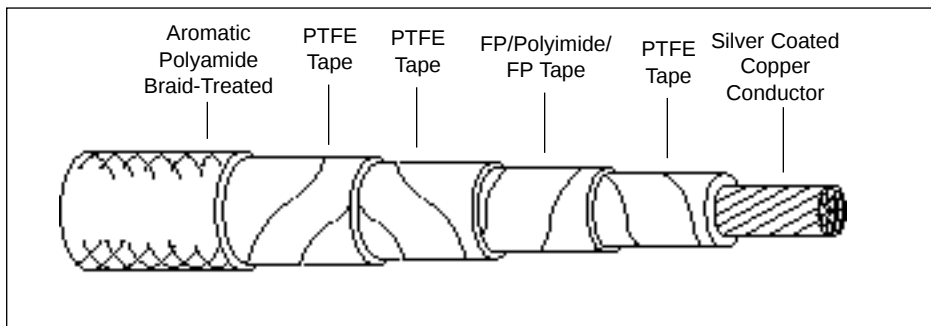
200° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WF



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75983-2	2	665 x 30	0.360	0.380	9.14	9.65	227.0	102.9
75983-1	1	817 x 30	0.400	0.420	10.16	10.66	295.0	133.8
75983-01	0	1045 x 30	0.442	0.462	11.22	11.73	351.0	159.2
75983-02	00	1330 x 30	0.498	0.528	12.64	13.41	432.0	195.9
75983-03	000	1665 x 30	0.554	0.584	14.07	14.83	542.0	245.8
75983-04	0000	2109 x 30	0.615	0.655	15.62	16.63	689.0	312.5

MIL-DTL-22759/84

Conductor:

Nickel coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

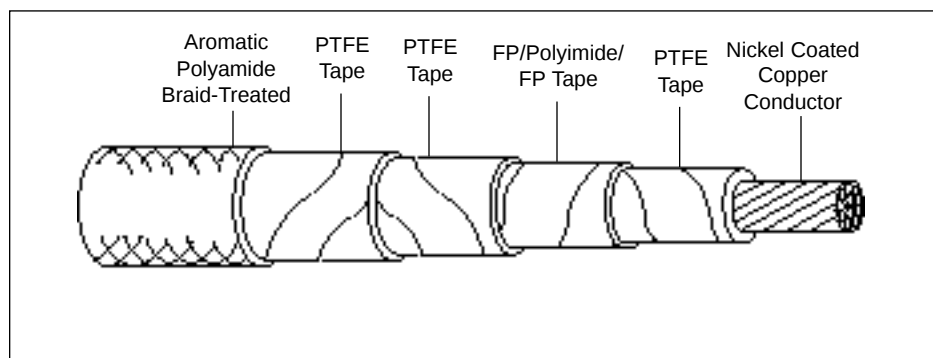
260° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WG



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75984-2	2	665 x 30	0.360	0.380	9.14	9.65	227.0	102.9
75984-1	1	817 x 30	0.400	0.420	10.16	10.66	295.0	133.8
75984-01	0	1045 x 30	0.442	0.462	11.22	11.73	351.0	159.2
75984-02	00	1330 x 30	0.498	0.528	12.64	13.41	432.0	195.9
75984-03	000	1665 x 30	0.554	0.584	14.07	14.83	542.0	245.8
75984-04	0000	2109 x 30	0.615	0.655	15.62	16.63	689.0	312.5

MIL-DTL-22759/85

Conductor:

Tin coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

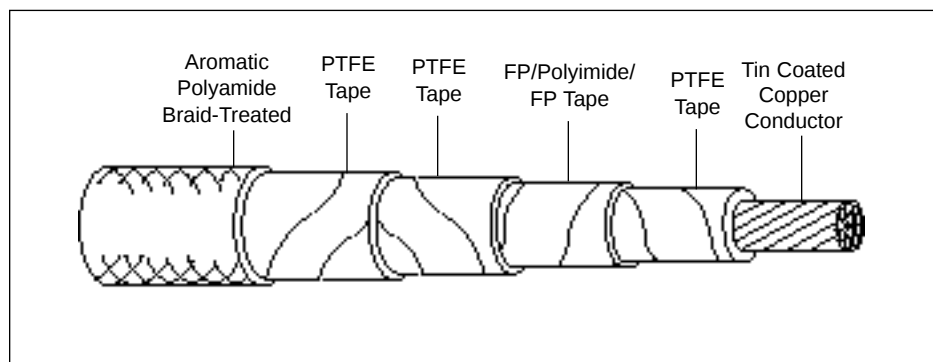
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WH



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75985-2	2	665 x 30	0.360	0.380	9.14	9.65	227.0	102.9
75985-1	1	817 x 30	0.400	0.420	10.16	10.66	295.0	133.8
75985-01	0	1045 x 30	0.442	0.462	11.22	11.73	351.0	159.2
75985-02	00	1330 x 30	0.498	0.528	12.64	13.41	432.0	195.9
75985-03	000	1665 x 30	0.554	0.584	14.07	14.83	542.0	245.8
75985-04	0000	2109 x 30	0.615	0.655	15.62	16.63	689.0	312.5

MIL-DTL-22759/86

Conductor:

Silver coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

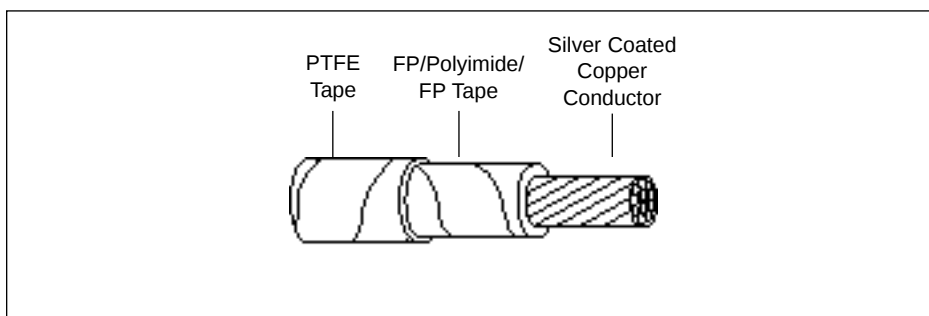
200° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WJ



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75986-26	26	19 x 38	0.033	0.037	0.84	0.94	1.55	0.70
75986-24	24	19 x 36	0.038	0.042	0.97	1.06	2.20	1.00
75986-22	22	19 x 34	0.043	0.047	1.09	1.19	3.00	1.36
75986-20	20	19 x 32	0.051	0.055	1.29	1.39	4.55	2.06
75986-18	18	19 x 30	0.061	0.065	1.54	1.65	6.70	3.03
75986-16	16	19 x 29	0.068	0.073	1.72	1.85	8.60	3.90
75986-14	14	19 x 27	0.081	0.086	2.05	2.18	12.95	5.87
75986-12	12	37 x 28	0.100	0.105	2.54	2.66	20.10	9.11
75986-10	10	37 x 26	0.122	0.127	3.09	3.22	31.40	14.24

MIL-DTL-22759/86

Conductor:

Silver coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

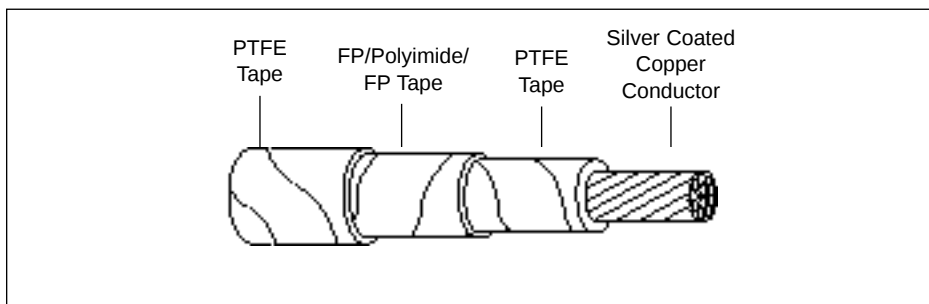
200° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WJ



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75986-8	8	133 x 29	0.180	0.188	4.57	4.77	57.6	26.12
75986-6	6	133 x 27	0.219	0.229	5.56	5.81	88.3	40.05

MIL-DTL-22759/86

Conductor:

Silver coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

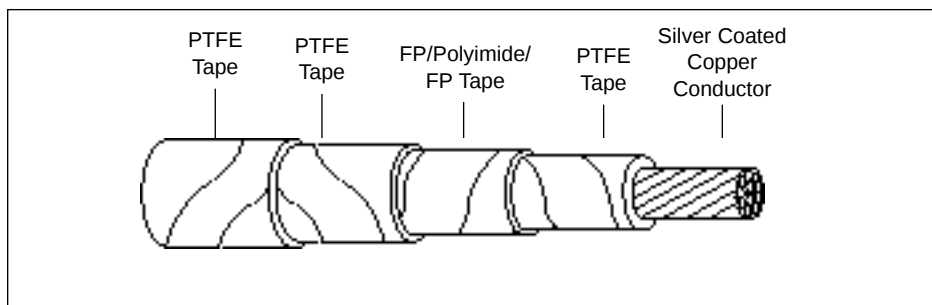
260° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WK



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75986-4	4	133 x 25	0.276	0.288	7.01	7.31	143.0	64.86
75986-2	2	665 x 30	0.344	0.364	8.73	9.24	223.0	101.15
75986-1	1	817 x 30	0.388	0.408	9.85	10.36	289.0	131.09
75986-01	0	1045 x 30	0.420	0.450	10.66	11.43	345.0	156.49
75986-02	00	1330 x 30	0.475	0.505	12.06	12.82	432.0	195.95
75986-03	000	1665 x 30	0.530	0.560	13.46	14.22	542.0	245.85
75986-04	0000	2109 x 30	0.590	0.630	14.98	16.00	681.0	308.90

MIL-DTL-22759/87

Conductor:

Nickel coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

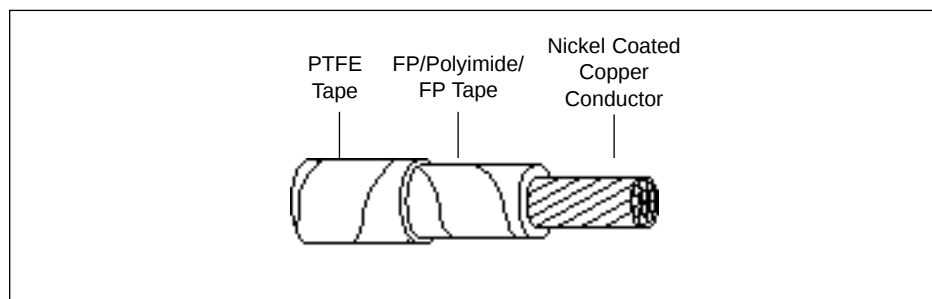
260° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WK



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75987-26	26	19 x 38	0.033	0.037	0.84	0.94	1.55	0.70
75987-24	24	19 x 36	0.038	0.042	0.97	1.06	2.15	0.98
75987-22	22	19 x 34	0.043	0.047	1.09	1.19	3.00	1.36
75987-20	20	19 x 32	0.051	0.055	1.29	1.39	4.55	2.06
75987-18	18	19 x 30	0.061	0.065	1.54	1.65	6.70	3.03
75987-16	16	19 x 29	0.068	0.073	1.72	1.85	8.60	3.90
75987-14	14	19 x 27	0.081	0.086	2.05	2.18	12.95	5.87
75987-12	12	37 x 28	0.100	0.105	2.54	2.66	20.10	9.11
75987-10	10	37 x 26	0.122	0.127	3.09	3.22	31.40	14.24

MIL-DTL-22759/87

Conductor:

Nickel coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

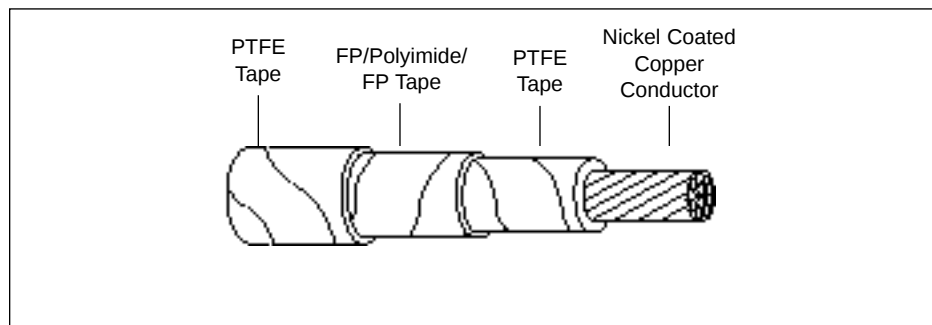
260° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WK



Nexans Description	AWG	Conductor Stranding	Finished Diameter		Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Lbs	Kg
75987-8	8	133 x 29	0.180	0.188	57.6	26.12
75987-6	6	133 x 27	0.219	0.229	88.3	40.05

MIL-DTL-22759/87

Conductor:

Nickel coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

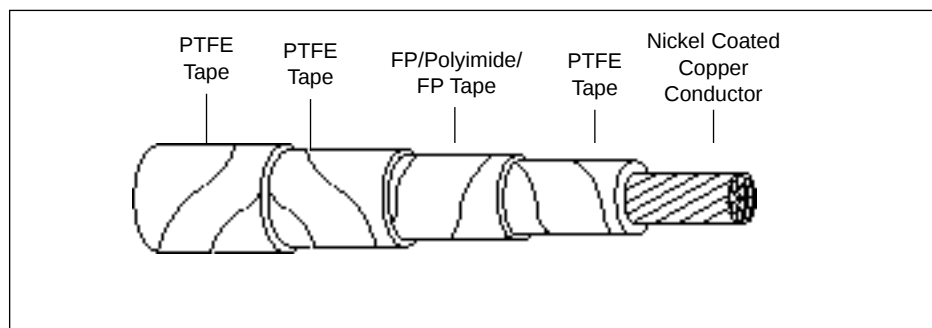
260° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WK



Nexans Description	AWG	Conductor Stranding	Finished Diameter		Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Lbs	Kg
75987-4	4	133 x 25	0.276	0.288	143.0	64.86
75987-2	2	665 x 30	0.344	0.364	222.0	100.69
75987-1	1	817 x 30	0.388	0.408	289.0	131.09
75987-01	0	1045 x 30	0.420	0.450	345.0	156.49
75987-02	00	1330 x 30	0.475	0.505	432.0	195.95
75987-03	000	1665 x 30	0.530	0.560	542.0	245.85
75987-04	0000	2109 x 30	0.590	0.630	681.0	308.90

MIL-DTL-22759/88

Conductor:

Tin coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

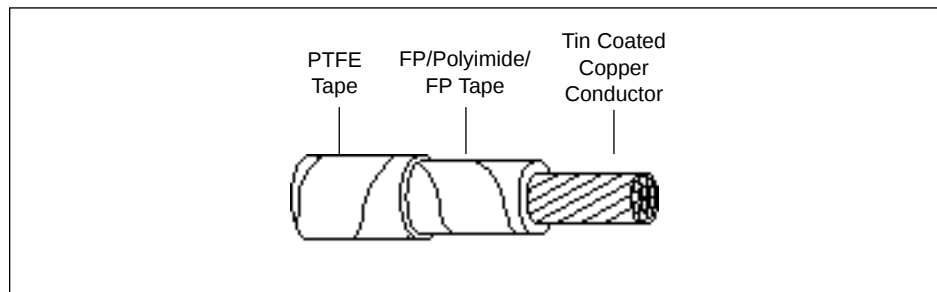
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WL



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75988-26	26	19 x 38	0.033	0.037	0.84	0.94	1.55	0.70
75988-24	24	19 x 36	0.038	0.042	0.97	1.06	2.15	0.98
75988-22	22	19 x 34	0.043	0.047	1.09	1.19	3.00	1.36
75988-20	20	19 x 32	0.051	0.055	1.29	1.39	4.55	2.06
75988-18	18	19 x 30	0.061	0.065	1.54	1.65	6.70	3.03
75988-16	16	19 x 29	0.068	0.073	1.72	1.85	8.60	3.90
75988-14	14	19 x 27	0.081	0.086	2.05	2.18	12.95	5.87
75988-12	12	37 x 28	0.100	0.105	2.54	2.66	20.10	9.11
75988-10	10	37 x 26	0.122	0.127	3.09	3.22	31.40	14.24

MIL-DTL-22759/88

Conductor:

Tin coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

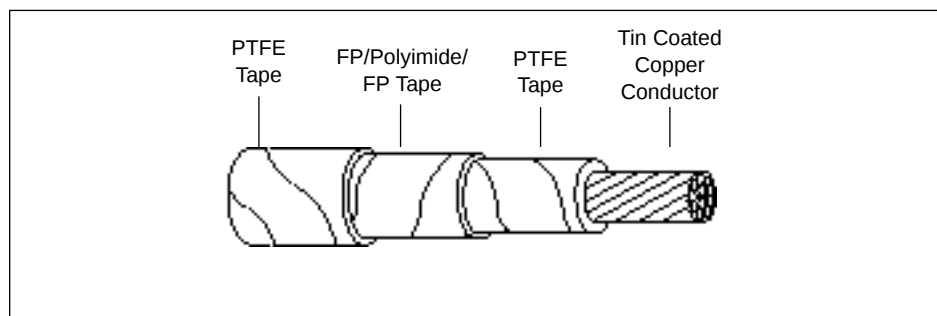
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WL



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75988-8	8	133 x 29	0.180	0.188	4.57	4.77	57.6	26.12
75988-6	6	133 x 27	0.219	0.229	5.56	5.81	88.3	40.05

MIL-DTL-22759/88

Conductor:

Tin coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

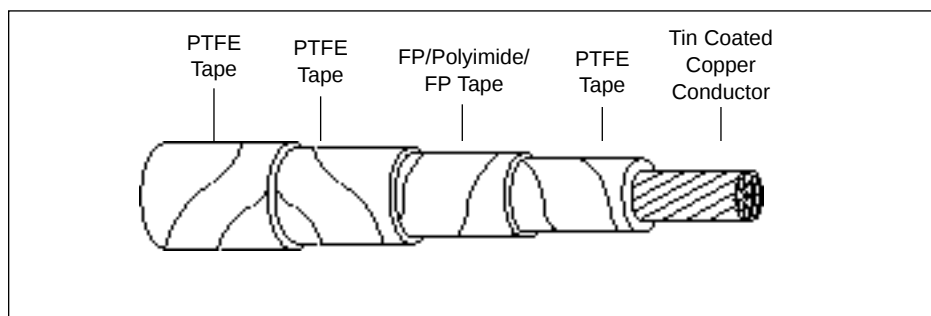
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WL



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75988-4	4	133 x 25	0.276	0.288	7.01	7.31	143.0	64.86
75988-2	2	665 x 30	0.344	0.364	8.73	9.24	222.0	100.69
75988-1	1	817 x 30	0.388	0.408	9.85	10.36	289.0	131.09
75988-01	0	1045 x 30	0.420	0.450	10.66	11.43	345.0	156.49
75988-02	00	1330 x 30	0.475	0.505	12.06	12.82	432.0	195.95
75988-03	000	1665 x 30	0.530	0.560	13.46	14.22	542.0	245.85
75988-04	0000	2109 x 30	0.590	0.630	14.98	16.00	681.0	308.90

MIL-DTL-22759/89

Conductor:

Silver coated high strength copper alloy

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

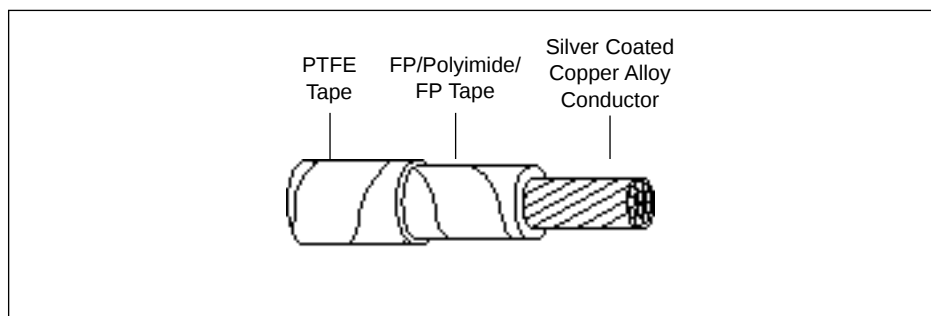
200° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WM



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
75989-26	26*	19 x 38	.033	.037	0.84	0.94	1.55	0.70
75989-24	24	19 x 36	.038	.042	0.97	1.06	2.15	0.97
75989-22	22	19 x 34	.043	.047	1.09	1.19	3.00	1.36
75989-20	20	19 x 32	.051	.055	1.29	1.39	4.55	2.06

*Conductor shall be ultra-high strength copper alloy.

MIL-DTL-22759/90

Conductor:

Nickel coated high strength copper alloy

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

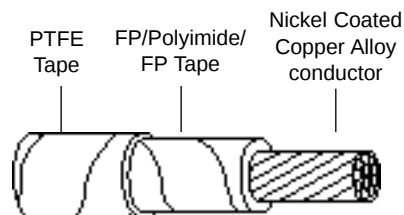
260° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WN



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75990-26	26*	19 x 38	0.033	0.037	0.84	0.94	1.55	0.70
75990-24	24	19 x 36	0.038	0.042	0.97	1.06	2.15	0.98
75990-22	22	19 x 34	0.043	0.047	1.09	1.19	3.00	1.36
75990-20	20	19 x 32	0.051	0.055	1.29	1.39	4.55	2.06

*Conductor shall be ultra-high strength copper alloy.

MIL-DTL-22759/91

Conductor:

Silver coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

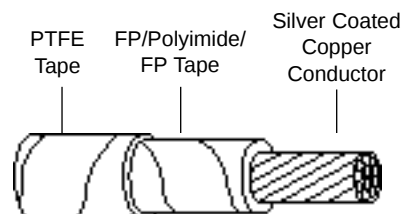
200° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WP



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75991-26	26	19 x 38	0.030	0.034	0.76	0.86	1.43	0.65
75991-24	24	19 x 36	0.034	0.038	0.86	0.97	1.93	0.88
75991-22	22	19 x 34	0.040	0.043	1.01	1.09	2.85	1.29
75991-20	20	19 x 32	0.048	0.051	1.21	1.29	4.38	1.98
75991-18	18	19 x 30	0.056	0.060	1.42	1.52	6.60	2.99
75991-16	16	19 x 29	0.063	0.067	1.60	1.70	8.30	3.76
75991-14	14	19 x 27	0.076	0.080	1.93	2.03	12.60	5.71
75991-12	12	37 x 28	0.096	0.100	2.43	2.54	19.60	8.89
75991-10	10	37 x 26	0.119	0.123	3.02	3.12	30.60	13.88

MIL-DTL-22759/92

Conductor:

Nickel coated copper

Insulation:

Fluoropolymer/polyimide tapes

Temperature Rating:

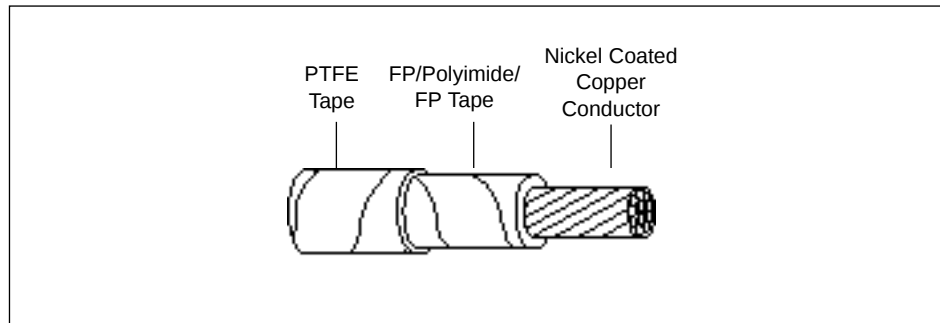
260° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

WR



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
75992-26	26	19 x 38	0.030	0.034	0.76	0.86	1.43	0.65
75992-24	24	19 x 36	0.034	0.038	0.86	0.97	1.93	0.88
75992-22	22	19 x 34	0.040	0.043	1.01	1.09	2.85	1.29
75992-20	20	19 x 32	0.048	0.051	1.21	1.29	4.38	1.98
75992-18	18	19 x 30	0.056	0.060	1.42	1.52	6.60	2.99
75992-16	16	19 x 29	0.063	0.067	1.60	1.70	8.30	3.76
75992-14	14	19 x 27	0.076	0.080	1.93	2.03	12.60	5.71
75992-12	12	37 x 28	0.096	0.100	2.43	2.54	19.60	8.89
75992-10	10	37 x 26	0.119	0.123	3.02	3.12	30.60	13.88

MIL-W-81044/5

Conductor:

Silver Coated Copper

Insulation:

Extruded XL Polyalkene

Jacket:

Extruded XL Polyvinylidene Fluoride (XL-PVDF)

Temperature Rating:

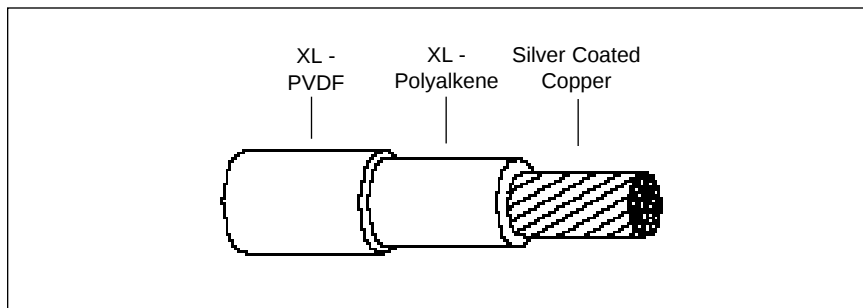
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

MD



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
84405-24	24	19 x 36	0.055	0.059	1.40	1.50	3.0	1.36
84405-22	22	19 x 34	0.066	0.072	1.68	1.83	4.3	1.95
84405-20	20	19 x 32	0.075	0.081	1.91	2.06	6.1	2.77
84405-18	18	19 x 30	0.085	0.091	2.16	2.31	8.7	3.95
84405-16	16	19 x 29	0.095	0.101	2.41	2.57	10.9	4.94
84405-14	14	19 x 27	0.111	0.119	2.82	3.02	16.2	7.35
84405-12	12	37 x 28	0.127	0.135	3.23	3.43	24.2	10.98
84405-10	10	37 x 26	0.156	0.166	3.96	4.22	36.5	16.56
84405-8	8	133 x 29	0.213	0.225	5.41	5.72	65.0	29.48
84405-6	6	133 x 27	0.262	0.276	6.65	7.01	103.0	46.72
84405-4	4	133 x 25	0.317	0.333	8.05	8.46	158.0	71.67
84405-2	2	665 x 30	0.392	0.416	9.96	10.57	252.0	114.31
84405-0	0	1045 x 30	0.478	0.510	12.14	12.95	380.0	172.37

MIL-W-81044/6

Conductor:

Tin Coated Copper

Insulation:

Extruded XL Polyalkene

Jacket:

Extruded XL Polyvinylidene Fluoride
(XL-PVDF)

Temperature Rating:

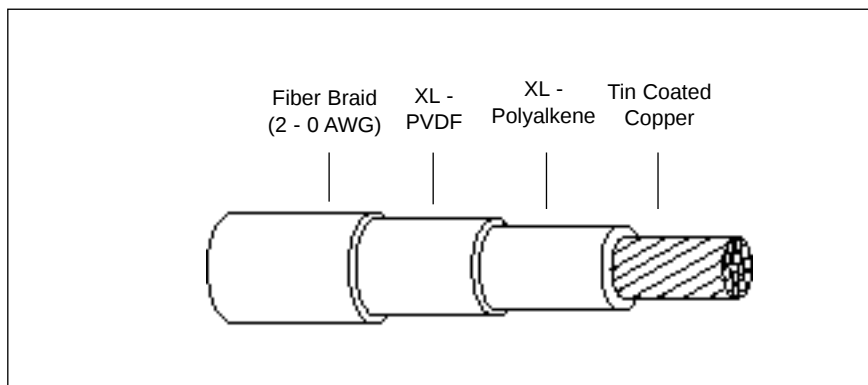
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

ME



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
84406-24	24	19 x 36	0.055	0.059	1.40	1.50	3.0	1.36
84406-22	22	19 x 34	0.066	0.072	1.68	1.83	4.3	1.95
84406-20	20	19 x 32	0.075	0.081	1.91	2.06	6.1	2.77
84406-18	18	19 x 30	0.085	0.091	2.16	2.31	8.7	3.95
84406-16	16	19 x 29	0.095	0.101	2.41	2.57	10.9	4.94
84406-14	14	19 x 27	0.111	0.119	2.82	3.02	16.2	7.35
84406-12	12	37 x 28	0.127	0.135	3.23	3.43	24.2	10.98
84406-10	10	37 x 26	0.156	0.166	3.96	4.22	36.5	16.56
84406-8	8	133 x 29	0.213	0.225	5.41	5.72	65.0	29.48
84406-6	6	133 x 27	0.262	0.276	6.65	7.01	103.0	46.72
84406-4	4	133 x 25	0.317	0.333	8.05	8.46	158.0	71.67
84406-2	2	665 x 30	0.405	0.431	10.29	10.95	252.0	114.31
84406-1	1	817 x 30	0.445	0.475	11.30	12.07	305.0	138.35
84406-0	0	1045 x 30	0.491	0.525	12.47	13.34	380.0	172.37

MIL-W-81044/7

Conductor:

Silver Coated High Strength
Copper Alloy

Insulation:

Extruded XL Polyalkene

Jacket:

Extruded XL Polyvinylidene Fluoride
(XL-PVDF)

Temperature Rating:

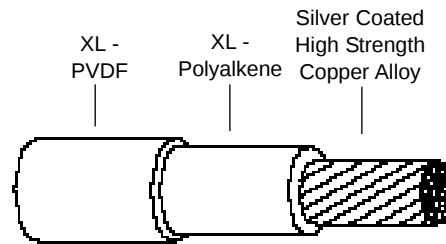
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

MF



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
84407-26	26	19 x 38	0.051	0.055	1.30	1.40	2.2	1.00
84407-24	24	19 x 36	0.055	0.059	1.40	1.50	3.0	1.36
84407-22	22	19 x 34	0.066	0.072	1.68	1.83	4.3	1.95
84407-20	20	19 x 32	0.075	0.081	1.91	2.06	6.1	2.77

MIL-W-81044/8

Conductor:

Silver Coated Copper

Insulation:

Extruded XL Polyalkene

Jacket:

Extruded XL Polyvinylidene Fluoride
(XL-PVDF)

Temperature Rating:

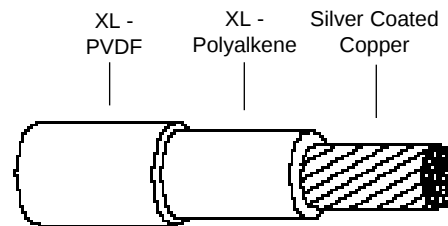
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

MG



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
84408-24	24	19 x 36	0.052	0.056	1.27	1.47	2.7	1.22
84408-22	22	19 x 34	0.059	0.065	1.42	1.72	3.9	1.77
84408-20	20	19 x 32	0.067	0.073	1.63	1.93	5.5	2.49
84408-18	18	19 x 30	0.077	0.083	1.88	2.18	8.0	3.62
84408-16	16	19 x 29	0.085	0.093	2.06	2.46	10.1	4.58
84408-14	14	19 x 27	0.104	0.112	2.54	2.95	15.5	7.03
84408-12	12	37 x 28	0.122	0.130	2.99	3.40	23.0	10.43
84408-10	10	37 x 28	0.150	0.160	3.68	4.19	35.7	16.19
84408-8	8	133 x 29	0.208	0.220	5.13	5.74	62.8	28.49
84408-6	6	133 x 27	0.257	0.271	6.35	7.06	99.3	45.04
84408-4	4	133 x 25	0.312	0.328	7.72	8.53	153.0	69.40
84408-2	2	665 x 30	0.388	0.412	9.55	10.77	247.0	112.04
84408-01	0	1045 x 30	0.474	0.506	11.63	13.26	377.0	171.01

MIL-W-81044/9

Conductor:

Tin Coated Copper

Insulation:

Extruded XL Polyalkene

Jacket:

Extruded XL Polyvinylidene Fluoride (XL-PVDF)

Temperature Rating:

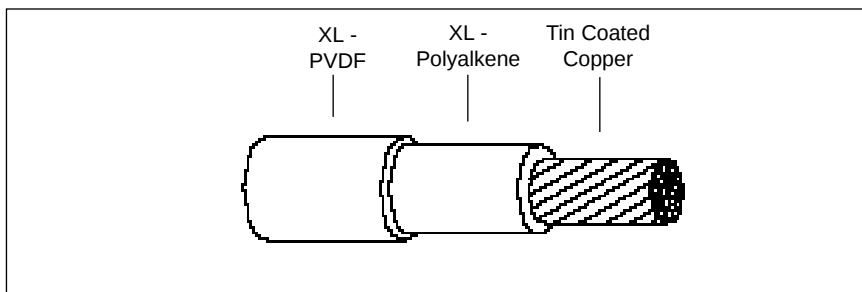
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

MH



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
84409-24	24	19 x 36	0.052	0.056	1.27	1.47	2.7	1.22
84409-22	22	19 x 34	0.059	0.065	1.42	1.72	3.9	1.77
84409-20	20	19 x 32	0.067	0.073	1.63	1.93	5.5	2.49
84409-18	18	19 x 30	0.077	0.083	1.88	2.18	8.0	3.62
84409-16	16	19 x 29	0.085	0.093	2.06	2.46	10.1	4.58
84409-14	14	19 x 27	0.104	0.112	2.54	2.95	15.5	7.03
84409-12	12	37 x 28	0.122	0.130	2.99	3.40	23.0	10.43
84409-10	10	37 x 28	0.150	0.160	3.68	4.19	35.7	16.19
84409-8	8	133 x 29	0.208	0.220	5.13	5.74	62.8	28.49
84409-6	6	133 x 27	0.257	0.271	6.35	7.06	99.3	45.04
84409-4	4	133 x 25	0.312	0.328	7.72	8.53	153.0	69.40
84409-2	2	665 x 30	0.388	0.412	9.55	10.77	247.0	112.04
84409-01	0	1045 x 30	0.474	0.506	11.63	13.26	377.0	171.01

MIL-W-81044/10

Conductor:

Silver Coated High Strength Copper Alloy

Insulation:

Extruded XL Polyalkene

Jacket:

Extruded XL Polyvinylidene Fluoride (XL-PVDF)

Temperature Rating:

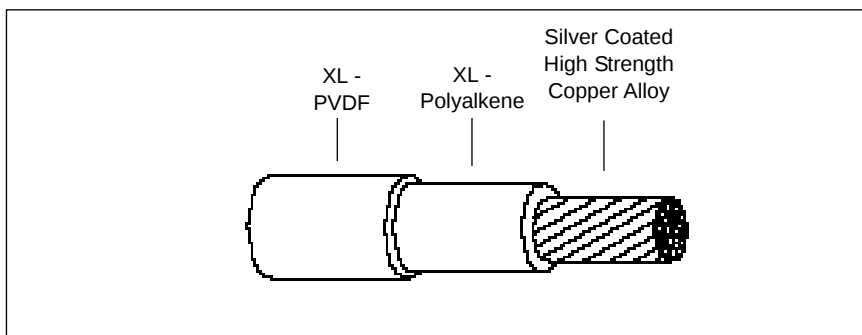
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

MJ



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
84410-26	26	19 x 38	0.046	0.050	1.17	1.27	1.9	0.86
84410-24	24	19 x 36	0.052	0.056	1.32	1.42	2.7	1.22
84410-22	22	19 x 34	0.059	0.065	1.50	1.65	3.9	1.77
84410-20	20	19 x 32	0.067	0.073	1.70	1.85	5.5	2.49

MIL-W-81044/11

Conductor:

Silver Coated Copper

Insulation:

Extruded XL Polyalkene

Jacket:

Extruded XL Polyvinylidene Fluoride (XL-PVDF)

Temperature Rating:

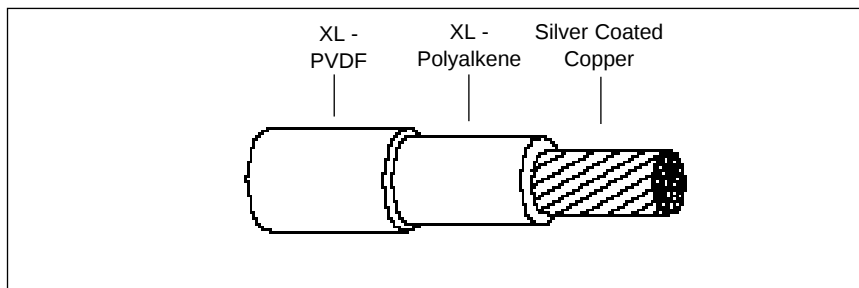
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

MK



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
84411-30	30	7 x 38	0.025	0.029	0.06	0.74	0.71	0.32
84411-28	28	7 x 36	0.028	0.032	0.07	0.81	0.91	0.41
84411-26	26	19 x 38	0.032	0.036	0.08	0.91	1.30	0.59
84411-24	24	19 x 36	0.038	0.042	0.10	1.07	2.00	0.91
84411-22	22	19 x 34	0.045	0.049	1.14	1.24	2.90	1.32
84411-20	20	19 x 32	0.053	0.057	1.35	1.45	4.40	2.00
84411-18	18	19 x 30	0.063	0.067	1.60	1.70	6.80	3.06
84411-16	16	19 x 29	0.069	0.075	1.75	1.91	8.50	3.86
84411-14	14	19 x 27	0.085	0.093	2.16	2.36	13.40	6.08
84411-12	12	37 x 28	0.104	0.112	2.64	2.84	20.70	9.39

MIL-W-81044/12

Conductor:

Tin Coated Copper

Insulation:

Extruded XL Polyalkene

Jacket:

Extruded XL Polyvinylidene Fluoride (XL-PVDF)

Temperature Rating:

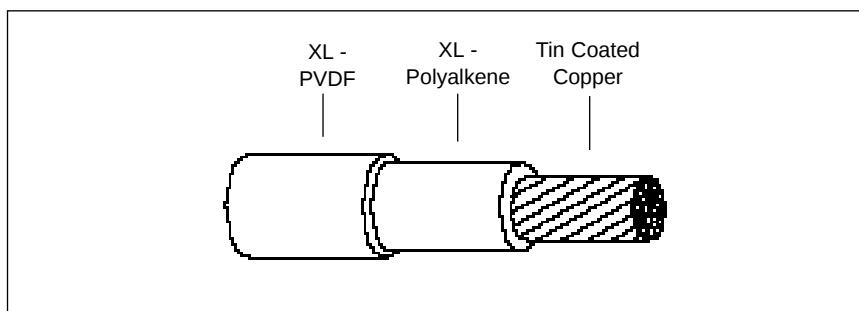
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

ML



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
84412-30	30	7 x 38	0.025	0.029	0.06	0.74	0.71	0.32
84412-28	28	7 x 36	0.028	0.032	0.07	0.81	0.96	0.44
84412-26	26	19 x 38	0.032	0.036	0.08	0.91	1.40	0.64
84412-24	24	19 x 36	0.038	0.042	0.10	1.07	2.10	0.95
84412-22	22	19 x 34	0.045	0.049	1.14	1.24	3.10	1.41
84412-20	20	19 x 32	0.053	0.057	1.35	1.45	4.60	2.09
84412-18	18	19 x 30	0.063	0.067	1.60	1.70	7.00	3.18
84412-16	16	19 x 29	0.069	0.075	1.75	1.91	8.90	4.04
84412-14	14	19 x 27	0.085	0.093	2.16	2.36	13.90	6.31
84412-12	12	37 x 28	0.104	0.112	2.64	2.84	21.70	9.84

MIL-W-81044/13

Conductor:

Silver Coated High Strength
Copper Alloy

Insulation:

Extruded XL Polyalkene

Jacket:

Extruded XL Polyvinylidene Fluoride
(XL-PVDF)

Temperature Rating:

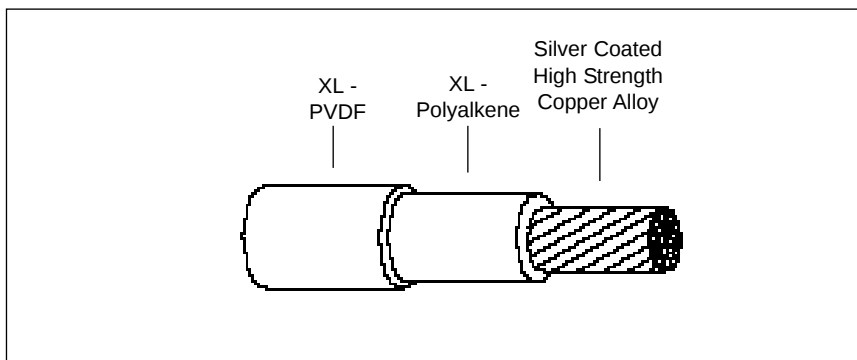
150° C

Voltage Rating:

600 V

MIL-DTL-27500 Symbol:

MM



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
84413-30	30	7 x 38	0.025	0.029	0.06	0.74	0.71	0.32
84413-28	28	7 x 36	0.028	0.032	0.07	0.81	0.96	0.44
84413-26	26	19 x 38	0.032	0.036	0.08	0.91	1.40	0.64
84413-24	24	19 x 36	0.038	0.042	0.10	1.07	2.10	0.95
84413-22	22	19 x 34	0.045	0.049	1.14	1.24	3.10	1.41
84413-20	20	19 x 32	0.053	0.057	1.35	1.45	4.60	2.09

MIL-DTL-81381/7

Conductor:

Silver coated copper

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

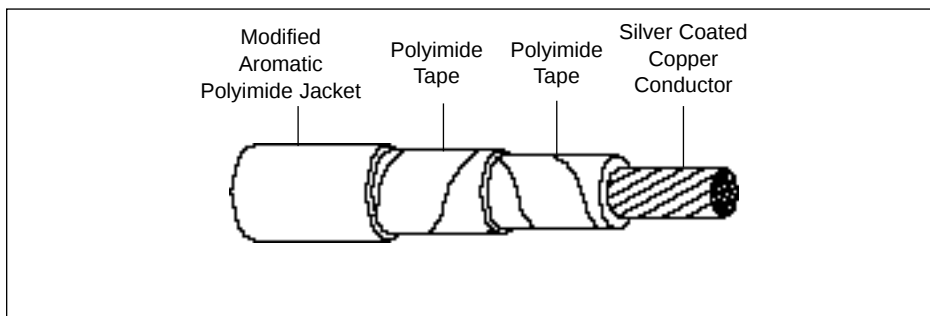
600 V

MIL-DTL-27500 Symbol:

MR

MIL Composite Equivalent:

/91



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
38107-26	26	19 x 38	0.031	0.034	0.78	0.86	1.2	0.54
38107-24	24	19 x 36	0.034	0.037	0.86	0.93	1.8	0.81
38107-22	22	19 x 34	0.041	0.044	1.04	1.11	2.7	1.22
38107-20	20	19 x 32	0.049	0.052	1.24	1.32	4.2	1.90
38107-18	18	19 x 30	0.059	0.062	1.49	1.57	6.3	2.85
38107-16	16	19 x 29	0.065	0.068	1.65	1.72	8.0	3.62
38107-14	14	19 x 27	0.078	0.082	1.98	2.08	12.5	5.67
38107-12	12	37 x 28	0.097	0.101	2.46	2.56	19.1	8.66
38107-10	10	37 x 26	0.120	0.124	3.04	3.14	29.4	13.33

MIL-DTL-81381/8

Conductor:

Nickel coated copper

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

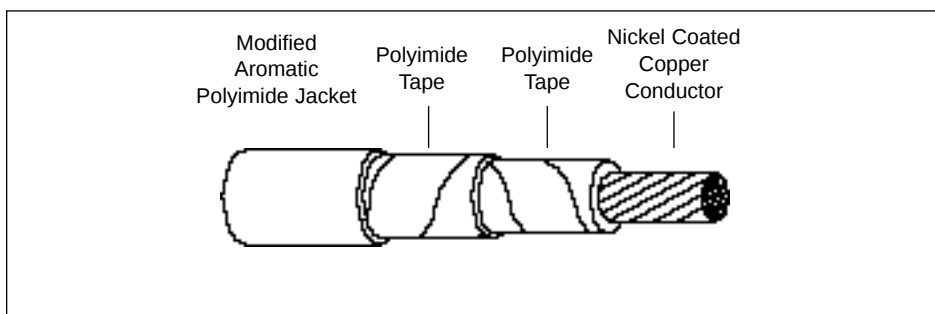
600 V

MIL-DTL-27500 Symbol:

MS

MIL Composite Equivalent:

/92



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
38108-26	26	19 x 38	0.031	0.034	0.78	0.86	1.2	0.54
38108-24	24	19 x 36	0.034	0.037	0.86	0.93	1.8	0.81
38108-22	22	19 x 34	0.041	0.044	1.04	1.11	2.7	1.22
38108-20	20	19 x 32	0.049	0.052	1.24	1.32	4.2	1.90
38108-18	18	19 x 30	0.059	0.062	1.49	1.57	6.3	2.85
38108-16	16	19 x 29	0.065	0.068	1.65	1.72	8.0	3.62
38108-14	14	19 x 27	0.078	0.082	1.98	2.08	12.5	5.67
38108-12	12	37 x 28	0.097	0.101	2.46	2.56	19.1	8.66
38108-10	10	37 x 26	0.120	0.124	3.04	3.14	29.4	13.33

MIL-DTL-81381/9

Conductor:

Silver coated high strength copper alloy

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

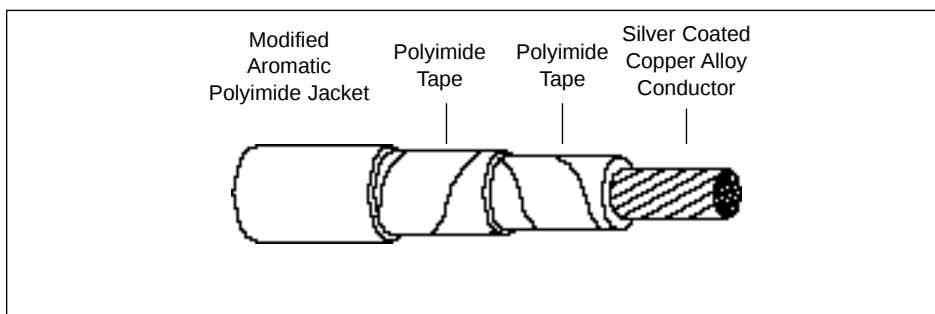
600 V

MIL-DTL-27500 Symbol:

MT

MIL Composite Equivalent:

/81



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
38109-26	26	19 x 38	0.031	0.034	0.78	0.86	1.2	0.54
38109-24	24	19 x 36	0.034	0.037	0.86	0.93	1.8	0.81
38109-22	22	19 x 34	0.041	0.044	1.04	1.11	2.7	1.22
38109-20	20	19 x 32	0.049	0.052	1.24	1.32	4.2	1.90

MIL-DTL-81381/10

Conductor:

Nickel coated high strength copper alloy

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

600 V

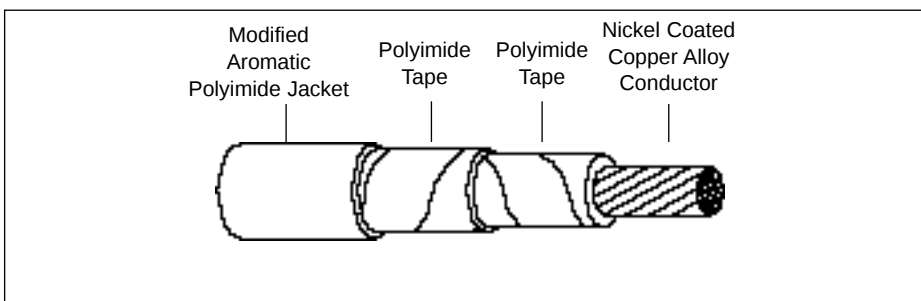
MIL-DTL-27500 Symbol:

MV

MIL Composite Equivalent:

/82

/82		Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
Nexans Description	AWG		Min. (inch)	Max. (inch)	Min. (mm)	Max (mm)	Lbs	Kg
38110-26	26	19 x 38	0.031	0.034	0.78	0.86	1.2	0.54
38110-24	24	19 x 36	0.034	0.037	0.86	0.93	1.8	0.81
38110-22	22	19 x 34	0.041	0.044	1.04	1.11	2.7	1.22
38110-20	20	19 x 32	0.049	0.052	1.24	1.32	4.2	1.90



MIL-DTL-81381/11

Conductor:

Silver coated copper

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

600 V

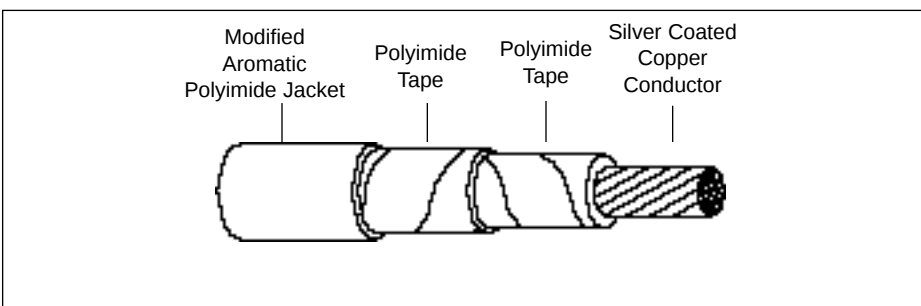
MIL-DTL-27500 Symbol:

MW

MIL Composite Equivalent:

/86

/86								
Nexans Description	AWG	Conductor Stranding	Min. (inch)	Finished Diameter		Max Weight/1000 ft		
				Max. (inch)	Min. (mm)	Max (mm)	Lbs	Kg
38111-24	24	19 x 36	0.040	0.044	1.01	1.11	1.9	0.86
38111-22	22	19 x 34	0.045	0.049	1.14	1.24	2.8	1.27
38111-20	20	19 x 32	0.053	0.057	1.34	1.44	4.2	1.90
38111-18	18	19 x 30	0.063	0.067	1.60	1.70	6.5	2.94
38111-16	16	19 x 29	0.068	0.073	1.72	1.85	8.1	3.67
38111-14	14	19 x 27	0.081	0.086	2.05	2.18	12.0	5.44
38111-12	12	37 x 28	0.100	0.105	2.54	2.66	19.0	8.61
38111-10	10	37 x 26	0.122	0.127	3.09	3.22	29.0	13.15



MIL-DTL-81381/12

Conductor:

Nickel coated copper

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

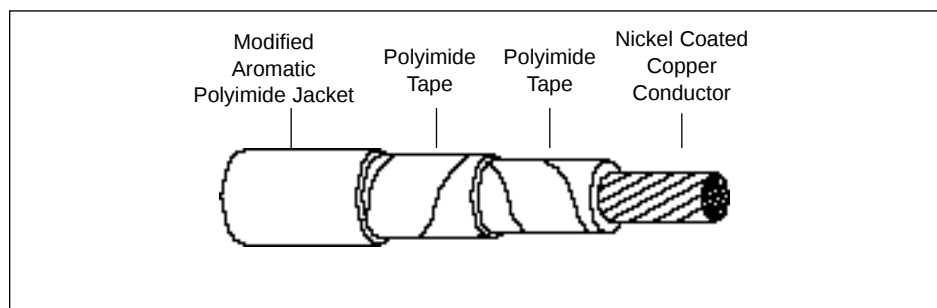
600 V

MIL-DTL-27500 Symbol:

MY

MIL Composite Equivalent:

/87



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
38112-24	24	19 x 36	0.040	0.045	1.01	1.14	1.9	0.86
38112-22	22	19 x 34	0.045	0.050	1.14	1.27	2.8	1.27
38112-20	20	19 x 32	0.053	0.058	1.34	1.47	4.2	1.90
38112-18	18	19 x 30	0.063	0.068	1.60	1.72	6.5	2.94
38112-16	16	19 x 29	0.068	0.074	1.72	1.87	8.1	3.67
38112-14	14	19 x 27	0.081	0.087	2.05	2.20	12.0	5.44
38112-12	12	37 x 28	0.100	0.107	2.54	2.71	19.0	8.61
38112-10	10	37 x 26	0.122	0.129	3.09	3.27	29.0	13.15

MIL-DTL-81381/13

Conductor:

Silver coated high strength copper alloy

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

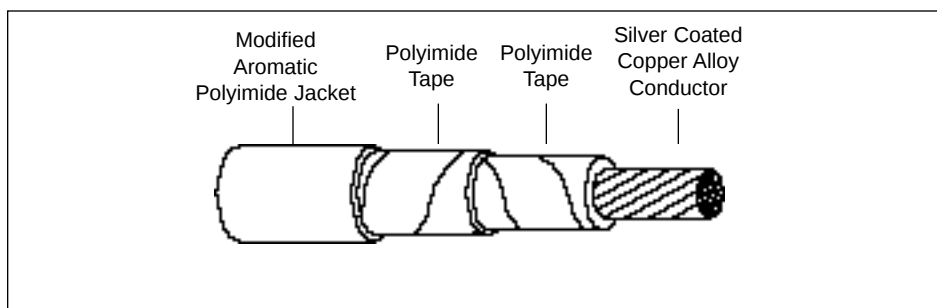
600 V

MIL-DTL-27500 Symbol:

NA

MIL Composite Equivalent:

/89



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
38113-26	26	19 x 38	0.036	0.040	0.91	1.01	1.3	0.58
38113-24	24	19 x 36	0.041	0.045	1.04	1.14	1.9	0.86
38113-22	22	19 x 34	0.047	0.051	1.19	1.29	2.8	1.27
38113-20	20	19 x 32	0.059	0.060	1.49	1.52	4.2	1.90

MIL-DTL-81381/14

Conductor:

Nickel coated high strength copper alloy

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

600 V

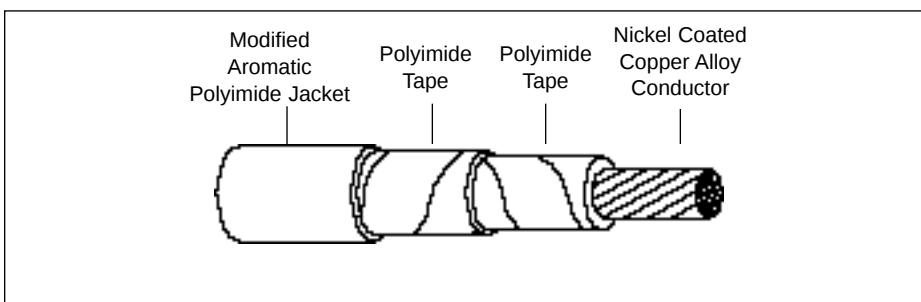
MIL-DTL-27500 Symbol:

NB

MIL Composite Equivalent:

/90

Nexans Description	AWG	Conductor Stranding	Finished Diameter		Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Lbs	Kg
38114-26	26	19 x 38	0.036	0.040	1.3	0.58
38114-24	24	19 x 36	0.041	0.045	1.9	0.86
38114-22	22	19 x 34	0.047	0.051	2.8	1.27
38114-20	20	19 x 32	0.059	0.060	4.2	1.90



MIL-DTL-81381/17

Conductor:

Silver coated copper

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

600 V

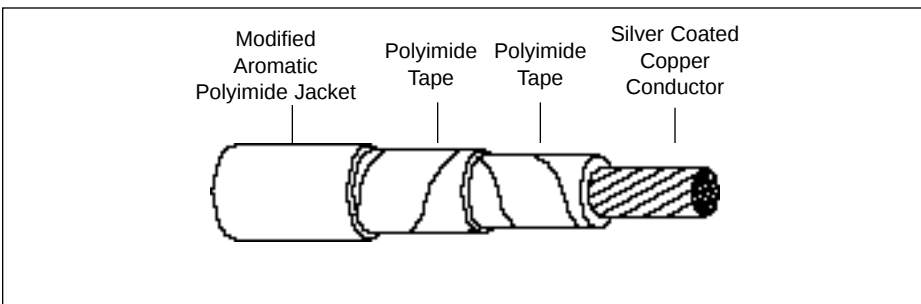
MIL-DTL-27500 Symbol:

NE

MIL Composite Equivalent:

/91

Nexans Description	AWG	Conductor Stranding	Finished Diameter		Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Lbs	Kg
38117-26	26	19 x 38	0.028	0.030	1.2	0.54
38117-24	24	19 x 36	0.032	0.035	1.8	0.81
38117-22	22	19 x 34	0.038	0.041	2.6	1.17
38117-20	20	19 x 32	0.046	0.049	4.1	1.85
38117-18	18	19 x 30	0.055	0.058	6.3	2.85
38117-16	16	19 x 29	0.062	0.065	7.9	3.58
38117-14	14	19 x 27	0.075	0.078	12.3	5.57
38117-12	12	37 x 28	0.094	0.098	19.0	8.61



MIL-DTL-81381/18

Conductor:

Nickel coated copper

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

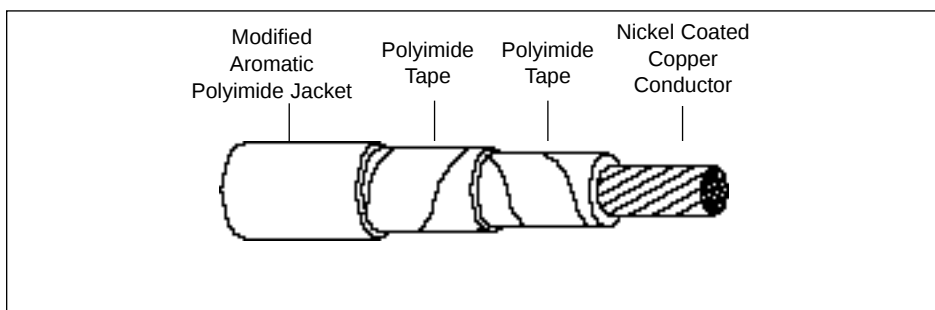
600 V

MIL-DTL-27500 Symbol:

NF

MIL Composite Equivalent:

/92



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
38118-26	26	19 x 38	0.028	0.030	0.71	0.76	1.2	0.54
38118-24	24	19 x 36	0.032	0.035	0.81	0.89	1.8	0.82
38118-22	22	19 x 34	0.038	0.041	0.97	1.04	2.6	1.17
38118-20	20	19 x 32	0.046	0.049	1.16	1.24	4.1	1.85
38118-18	18	19 x 30	0.055	0.058	1.39	1.47	6.3	2.85
38118-16	16	19 x 29	0.062	0.065	1.57	1.65	7.9	3.58
38118-14	14	19 x 27	0.075	0.078	1.90	1.98	12.3	5.57
38118-12	12	37 x 28	0.094	0.098	2.38	2.48	19.0	8.61

MIL-DTL-81381/19

Conductor:

Silver coated high strength copper alloy

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

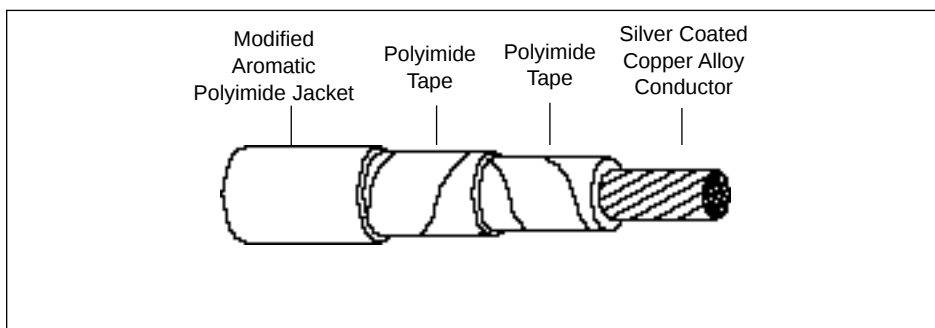
600 V

MIL-DTL-27500 Symbol:

NG

MIL Composite Equivalent:

/81



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
38119-30	30	7 x 38	0.021	0.024	0.53	0.61	0.6	0.27
38119-28	28	7 x 36	0.024	0.027	0.61	0.69	0.8	0.36
38119-26	26	19 x 38	0.028	0.030	0.71	0.76	1.2	0.54
38119-24	24	19 x 36	0.032	0.035	0.81	0.89	1.8	0.82
38119-22	22	19 x 34	0.038	0.041	0.97	1.04	2.6	1.17
38119-20	20	19 x 32	0.047	0.050	1.19	1.27	4.1	1.85

MIL-DTL-81381/20

Conductor:

Nickel coated high strength copper alloy

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

200° C

Voltage Rating:

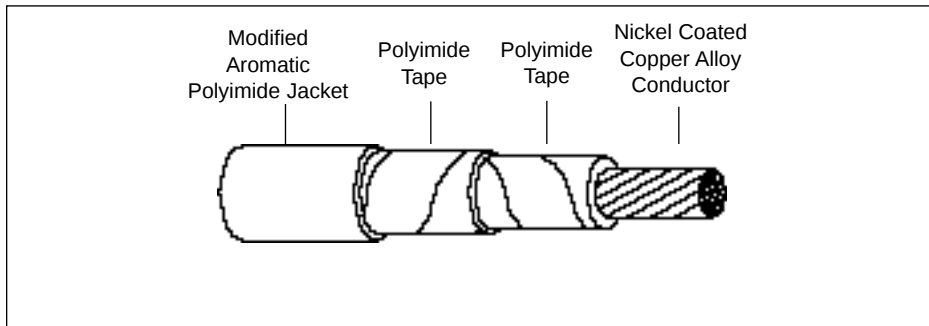
600 V

MIL-DTL-27500 Symbol:

NH

MIL Composite Equivalent:

/82



/82		Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
Nexans Description	AWG		Min. (inch)	Max. (inch)	Min. (mm)	Max (mm)	Lbs	Kg
38120-30	30	7 x 38	0.021	0.024	0.53	0.61	0.6	0.27
38120-28	28	7 x 36	0.024	0.027	0.61	0.69	0.8	0.36
38120-26	26	19 x 38	0.028	0.030	0.71	0.76	1.2	0.54
38120-24	24	19 x 36	0.032	0.035	0.81	0.89	1.8	0.82
38120-22	22	19 x 34	0.038	0.041	0.97	1.04	2.6	1.17
38120-20	20	19 x 32	0.047	0.050	1.19	1.27	4.1	1.85

MIL-DTL-81381/21

Conductor:

Tin coated copper alloy

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

150° C

Voltage Rating:

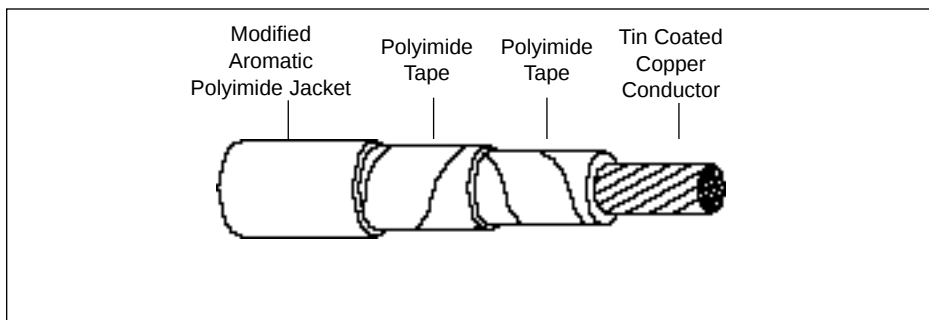
600 V

MIL-DTL-27500 Symbol:

NK

MIL Composite Equivalent:

/80



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
38121-26	26	19 x 38	0.030	0.034	0.76	0.86	1.2	0.54
38121-24	24	19 x 36	0.034	0.038	0.86	0.97	1.9	0.86
38121-22	22	19 x 34	0.041	0.045	1.04	1.14	2.9	1.31
38121-20	20	19 x 32	0.048	0.053	1.21	1.34	4.2	1.90
38121-18	18	19 x 30	0.058	0.063	1.47	1.60	6.4	2.90
38121-16	16	19 x 29	0.064	0.069	1.62	1.75	8.2	3.71
38121-14	14	19 x 27	0.077	0.083	1.95	2.10	12.5	5.67
38121-12	12	37 x 28	0.097	0.102	2.46	2.59	20.4	9.25
38121-10	10	37 x 26	0.120	0.125	3.04	3.17	32.0	14.51

MIL-DTL-81381/22

Conductor:

Tin coated copper

Insulation:

Polyimide tape

Jacket:

Modified aromatic polyimide resin

Temperature Rating:

150° C

Voltage Rating:

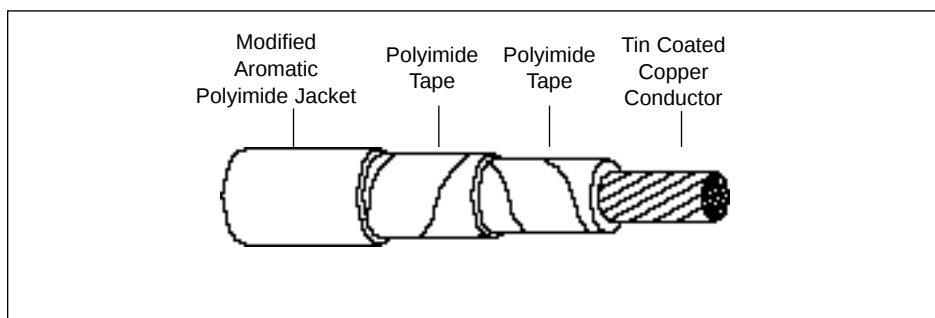
600 V

MIL-DTL-27500 Symbol:

NL

MIL Composite Equivalent:

/88



Nexans Description	AWG	Conductor Stranding	Min.(inch)	Finished Diameter		Max (mm)	Max Weight/1000 ft	
				Max.(inch)	Min.(mm)		Lbs	Kg
38122-24	24	19 x 36	0.040	0.044	1.01	1.11	2.1	0.95
38122-22	22	19 x 34	0.045	0.049	1.14	1.24	3.0	1.36
38122-20	20	19 x 32	0.053	0.058	1.34	1.47	4.5	2.04
38122-18	18	19 x 30	0.063	0.068	1.60	1.72	6.7	3.03
38122-16	16	19 x 29	0.068	0.074	1.72	1.87	8.4	3.81
38122-14	14	19 x 27	0.081	0.089	2.05	2.26	13.0	5.89
38122-12	12	37 x 28	0.100	0.107	2.54	2.71	20.0	9.07
38122-10	10	37 x 26	0.122	0.130	3.09	3.30	31.0	14.06

MIL-W-25038/1d

Conductor:

Nickel coated copper

Insulation:

Inorganic fire resistant

Jacket:

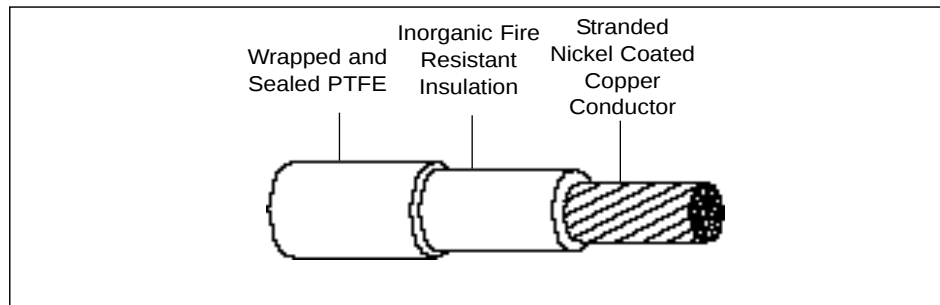
Wrapped and sealed PTFE

Temperature Rating:

260° C

Voltage Rating:

600 V



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
03801-22	22	19 x 34	0.100	0.116	2.54	2.94	10.0	4.53
03801-20	20	19 x 32	0.109	0.125	2.76	3.17	12.0	5.44
03801-18	18	19 x 30	0.119	0.135	3.02	3.42	15.0	6.80
03801-16	16	19 x 29	0.127	0.147	3.22	3.55	19.0	8.61
03801-14	14	19 x 27	0.150	0.170	3.81	4.31	25.0	11.38
03801-12	12	19 x 25	0.165	0.185	4.19	4.69	35.0	15.87
03801-10	10	49 x 27	0.210	0.230	5.33	5.84	55.0	24.94
03801-8	8	133 x 29	0.256	0.280	6.50	7.11	85.0	38.55
03801-6	6	133 x 27	0.318	0.342	8.07	8.68	127.0	57.60
03801-4	4	133 x 25	0.383	0.407	9.72	10.33	192.0	87.09
03801-2	2	665 x 30	0.460	0.484	11.68	12.29	291.0	131.99
03801-1	1	817 x 30	0.497	0.533	12.62	13.53	347.0	157.39
03801-01	0	1035 x 30	0.537	0.573	13.63	14.55	415.0	188.24
03801-02	00	1330 x 30	0.595	0.635	15.11	16.12	520.0	235.87
03801-03	000	1672 x 30	0.660	0.700	16.76	17.78	648.0	293.93
03801-04	0000	2109 x 30	0.730	0.770	18.54	19.55	793.0	359.70

MIL-W-25038/3c

Conductor:

Nickel coated copper

Insulation:

Inorganic fire resistant

Jacket:

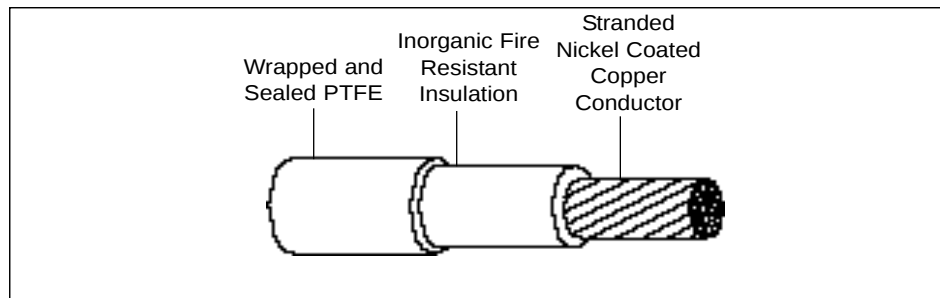
Wrapped and sealed PTFE

Temperature Rating:

260° C

Voltage Rating:

600 V



Nexans Description	AWG	Conductor Stranding	Finished Diameter				Max Weight/1000 ft	
			Min.(inch)	Max.(inch)	Min.(mm)	Max (mm)	Lbs	Kg
03801-22	22	19 x 34	0.040	0.054	1.01	1.37	4.15	1.88
03801-22h	22H*	19 x 34	0.055	0.075	1.39	1.90	6.00	2.72
03801-20	20	19 x 32	0.048	0.083	1.21	2.10	9.00	4.08
03801-18	18	19 x 30	0.065	0.097	1.65	2.46	10.50	4.76
03801-16	16	19 x 29	0.068	0.103	1.72	2.61	13.50	6.12
03801-14	14	19 x 27	0.097	0.123	2.46	3.12	19.50	8.84
03801-12	12	19 x 25	0.100	0.142	2.54	3.60	28.00	12.70

* Heavy-wall and thick-wall construction (only for Mil-C-38999 Connectors)

RG No.	Non-Swept Designation	Swept Designation	Conductor Type	Nominal Conductor OD	Dielectric	Dielectric Nominal OD	Braid Type	Jacket Type	Finished Diameter
58	M 17/155-00001	M 17/28-RG 058	TC	0.0320	PE	0.116	TC	PVC	0.1950
59	M 17/29-RG 059		BCW	0.0226	PE	0.146	BC	PVC	0.2420
142	M 17/158-00001	M 17/60-RG 142	SPCW	0.0370	PTFE	0.116	SC	FEP	0.1950
174	M 17/173-00001	M 17/119-RG 174	BCW	0.0189	PE	0.060	TC	PVC	0.1000
178	M 17/169-00001	M 17/93-RG 178	SPCW	0.0120	PTFE	0.034	SC	FEP	0.0720
179	M 17/94-RG 179		SPCW	0.0120	PTFE	0.063	SC	FEP	0.1000
180	M 17/95-RG 180		SPCW	0.0120	PTFE	0.102	SC	FEP	0.1400
223	M 17/167-00001		SC	0.0350	PE	0.116	SC	PVC	0.2120
303	M 17/170-00001	M 17/111-RG 303	SPCW	0.0397	PTFE	0.116	SC	FEP	0.1700
316	M 17/172-00001	M 17/113-RG 316	SPCW	0.0201	PTFE	0.060	SC	FEP	0.0980
400	M 17/175-00001	M 17/128-400	SC	0.0385	PTFE	0.116	SC	FEP	0.1950
Twinax	M 17/176-00002		SPA	0.0240	PTFE	0.042	SPA	PFA	0.1290
Triax	M 17/179-00001		SPCW	0.0120	PTFE	0.063	NCM	Polyester Braid	0.1950

*NCM = copper/polyester/copper foil tape

RG No.	Non-Swept Designation	Swept Designation	Nominal Impedance Ohms	Max. Attenuation @400 MHz (db/100ft)	Nominal Capacitance (pf/FT)	Max. Operating Voltage (volts RMS)	Operating Temp Range (C)
58	M 17/155-00001	M 17/28-RG 058	50	17.0	28.8	1,900	-40 + 80
59	M 17/29-RG 059		75	9.0	20.6	2,300	-40 + 80
142	M 17/158-00001	M 17/60-RG 142	50	11.7	29.4	1,900	-55 + 200
174	M 17/173-00001	M 17/119-RG 174	50	25.0	30.8	1,500	-40 + 80
178	M 17/169-00001	M 17/93-RG 178	50	33.0	29.4	1,000	-55 + 200
179	M 17/94-RG 179		75	21.0	19.5	1,200	-55 + 200
180	M 17/95-RG 180		95	17.0	15.4	1,500	-55 + 200
223	M 17/167-00001		50	12.0	30.8	1,900	-40 + 80
303	M 17/170-00001	M 17/111-RG 303	50	8.6	29.4	1,900	-55 + 200
316	M 17/172-00001	M 17/113-RG 316	50	21.0	29.4	1,200	-55 + 200
400	M17/175-00001	M 17/128-400	50	10.5	29.4	1,900	-55 + 200
Twinax	M17/176-00002		77	1.4 @ 1MHz	24.0	750	-55 + 200
Triax	M17/179-00001		75	21.0	23.0	900	-55 + 150

This specification covers the requirements for electronic control cables used in aircraft and missile applications. These cables may be constructed from a variety of insulating materials having different characteristics. Nexans manufactures most of the combinations available in this specification. The cables can be obtained in configurations up to 15 conductors with just a shield, or just a jacket, or both single and double shields and jacket. Conductor colors are specified and the cable must be identified by methods described in the body of MIL-DTL-27500.

Cable Designation

Cable will be identified by a combination of digits and letter (not to exceed 16), in accordance with the following:

M27500	-	22	SD	3	T	23
Specification number	ID method of cable wire & shield coverage (Chart A)	Conductor size	Basic wire specification (Chart B)	Number of wires in cable (Chart C)	Shield style & material (Chart D)	Jacket material (Chart E)

Example

M27500-22SD3T23 = 22 AWG, 3 conductor, tin shielded 85%, white XLETFE jacket

Chart A Identification method of cable wire & shield

When an unshielded cable or wire, or a cable with a minimum shield coverage of 85 percent is required, specify:

-	for the preferred identification method using Table III A
F	for the preferred identification method using Table III B
A	for optional identification method A, Table III A
G	for optional identification method A, Table III B
B	for optional identification method B, Table III C
K	for optional identification method C
L	for optional identification method D
P	for optional identification method E
S	for optional identification method F

When a minimum shield coverage of 90 percent is required, specify:

C	for the preferred identification method using Table III A
H	for the preferred identification method using Table III B
D	for optional identification method A, Table III A
J	for optional identification method A, Table III B
E	for optional identification method B, Table III C
M	for optional identification method C
N	for optional identification method D
R	for optional identification method E
T	for optional identification method F

Chart B Basic wire specification

Symbol sequence		Symbol sequence	
CA	MIL-W-22759/13	SC	MIL-W-22759/33
CB	MIL-W-22759/14	SD	MIL-W-22759/34
CC	MIL-W-22759/15	SE	MIL-W-22759/35
E	MIL-W-22759/2	SM	MIL-W-22759/41
EA	MIL-W-22759/1	SN	MIL-W-22759/42
JA	MIL-W-25038/1	SP	MIL-W-22759/43
JB	MIL-W-22759/28	SR	MIL-W-22759/44
JC	MIL-W-22759/29	SS	MIL-W-22759/45
JD	MIL-W-22759/30	ST	MIL-W-22759/46
JE	MIL-W-22759/31	TA	MIL-W-22759/8
JF	MIL-W-25038/3	TE	MIL-W-22759/16

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Chart B Basic wire specification

Symbol sequence		Symbol sequence	
LE	MIL-W-22759/9	TF	MIL-W-22759/17
LH	MIL-W-22759/10	TG	MIL-W-22759/18
MR	MIL-DTL-81381/7	TH	MIL-W-22759/19
MS	MIL-DTL-81381/8	TK	MIL-W-22759/20
MT	MIL-DTL-81381/9	TL	MIL-W-22759/21
MV	MIL-DTL-81381/10	TM	MIL-W-22759/22
MW	MIL-DTL-81381/11	TN	MIL-W-22759/23
MY	MIL-DTL-81381/12	VA	MIL-W-22759/5
NA	MIL-DTL-81381/13	WA	MIL-W-22759/6
NB	MIL-DTL-81381/14	WB	MIL-DTL-22759/80
NE	MIL-DTL-81381/17	WC	MIL-DTL-22759/81
NF	MIL-DTL-81381/18	WE	MIL-DTL-22759/82
NG	MIL-DTL-81381/19	WF	MIL-DTL-22759/83
NH	MIL-DTL-81381/20	WG	MIL-DTL-22759/84
NK	MIL-DTL-81381/21	WH	MIL-DTL-22759/85
NL	MIL-DTL-81381/22	WJ	MIL-DTL-22759/86
P	MIL-W-5086/4	WK	MIL-DTL-22759/87
RA	MIL-W-22759/3	WL	MIL-DTL-22759/88
RB	MIL-W-22759/4	WM	MIL-DTL-22759/89
RC	MIL-W-22759/11	WN	MIL-DTL-22759/90
RE	MIL-W-22759/12	WP	MIL-DTL-22759/91
SA	MIL-W-22759/7	WR	MIL-DTL-22759/92
SB	MIL-W-22759/32		

Chart C - Number of wires per cable

- 1 to 15 for shielded or shielded and jacketed cables
- 2 to 15 for unshielded, unjacketed or unshielded jacketed cables
- Cables with 10 to 15 conductors will be limited to conductor size 12 and smaller

Chart D - Shield style and material

Symbol single shield style	Symbol double shield style	Shield Material	Maximum temperature limit for shield material
U		No shield	-
T	V	Tin-coated cooper, round	150°C
S	W	Silver-coated copper, round	200°C
N	Y	Nickel-coated cooper, round	260°C
F	Z	Stainless steel, round	400°C
C	R	Heavy nickel coated copper, round	400°C
M	K	Silver-coated high strength copper alloy, round	200°C
P	L	Nickel-coated high strength copper alloy, round	260°C
G	A	Silver-coated copper, flat	200°C
H	B	Silver-coated high strength copper alloy, flat	200°C
*	#	Nickel-coated copper, flat	260°C
J	D	Tin-coated copper, flat	150°C
E	X	Nickel-coated high strength copper alloy, flat	260°C
I	Q	Nickel-chromium alloy, flat	400°C

continued from page 62

continued from page 61

Chart E - Jacket materials

Single jacket symbol	Double jacket symbol	Jacket Material	Temperature limit for jacket material
00	00	No jacket	-
03	53	White polyamide braid impregnated with clear polyamide finisher over a polyester tape	105°C
04	54	Polyester braid impregnated with high temperature finisher over polyester tape	150°C
05	55	Extruded clear fluorinated ethylene propylene (FEP)	200°C
06	56	Extruded or taped and heat sealed white polytetrafluoroethylene (PTFE)	260°C
07	57	White polytetrafluoroethylene (PTFE) treated glass braid impregnated and coated with polytetrafluoroethylene finisher over presintered polytetrafluoroethylene tape	260°C
08	58 ³	Crosslinked white extruded polyvinylidene fluoride (PVF ₂)	150°C
09	59	Extruded white fluorinated ethylene propylene (FEP)	200°C
10 ³	60 ³	Extruded clear polyvinylidene fluoride (PVF ₂)	125°C
11 ⁴	61 ⁴	Tape of natural polyimide combined with clear fluorinated ethylene propylene (FEP) wrapped and heat sealed with (FEP) outer surface	200°C
12 ⁴	62 ⁴	Tape of natural polyimide combined with fluorinated ethylene propylene (FEP) wrapped and heat sealed with polyimide outer surface	200°C
14	64	Extruded white ethylene-tetrafluoroethylene copolymer (ETFE)	150°C
15	65	Extruded clear ethylene-tetrafluoroethylene copolymer (ETFE)	150°C
16	66	Braid of aromatic polyamide with high temperature finisher over presintered polytetrafluoroethylene (PTFE) tape	200°C
17 ⁵	67 ⁵	White extruded ethylene chlorotrifluoro-ethylene (ECTFE)	150°C
18 ⁵	68 ⁵	Clear extruded ethylene chlorotrifluoro-ethylene (ECTFE)	150°C
20	70	Extruded white perfluoroalkoxy (PFA)	260°C
21	71	Extruded clear perfluoroalkoxy (PFA)	260°C
22	72	Taped of polyimide combined with clear fluorinated ethylene propylene (FEP) wrapped and heat sealed with opaque polyimide outer surface	200°C
23	73	White, cross linked, extruded, modified, ethylene tetrafluoroethylene copolymer (XLETFE)	200°C
24	74	Tape layer of white polytetrafluoroethylene (PTFE) wrapped over a tape layer of natural polyimide combined with FEP and heat sealed	200°C

1 - Polyvinyl chloride materials shall not be used for aerospace applications.

2 - Jacket material 02 is not to be used for cables having a diameter of 0.251 inch or greater.

3 - Jacket materials 08, 58, 10 & 60 are not to be used for cables having a diameter of 0.401 inch or greater.

4 - Not for Naval Air Systems Command usage.

5 - Inactive for new design.

MIL-C-7078

This specification consists of a series of specifications or slash sheets, covering electrical cable typically used in aerospace applications. The cables may be ordered unshielded, unjacketed, just a shield, or shielded and jacketed. Each slash sheet will specify exactly what type insulation and outer covering.

Cable constructions ordered to MIL-C-7078 will have to be color coded and identified in accordance with the specification.

Part numbers are coded as stated below:

M-7078/X	-	YY	-	Z	
					Number of basic wires in cable
					Size of individual wires
					Number of specifications

Cable Specifications

Nexans part no.	Description	Voltage	Temp.
M7078/8	Basic wires to M81381/11, TPC shielded, polyimide tape jacket	600	150°C
M7078/9	Basic wires to M81381/12, TPC shielded, polyimide tape jacket	600	150°C
M7078/10	Basic wires to M81381/13, TPC shielded, polyimide tape jacket	600	150°C
M7078/11	Basic wires to M81381/11, NPC shielded, polyimide tape jacket	600	200°C
M7078/12	Basic wires to M81381/12, NPC shielded, polyimide tape jacket	600	200°C
M7078/13	Basic wires to M81381/13, NPC shielded, polyimide tape jacket	600	200°C
M7078/14	Basic wires to M81381/14, NPC shielded, polyimide tape jacket	600	200°C
M7078/15	Basic wires to M81381/11, Unshielded and unjacketed	600	200°C
M7078/16	Basic wires to M81381/12, Unshielded and unjacketed	600	200°C
M7078/17	Basic wires to M81381/13, Unshielded and unjacketed	600	200°C
M7078/18	Basic wires to M81381/14, Unshielded and unjacketed	600	200°C
M7078/26	Basic wires to M81381/8, NPC shield, polyimide tape jacket	600	200°C
M7078/27	Basic wires to M81381/8, Unshielded and unjacketed	600	200°C
M7078/28	Basic wires to M81381/10, NPC shielded, polyimide tape jacket	600	200°C
M7078/29	Basic wires to M81381/10, Unshielded and unjacketed	600	200°C

MIL-DTL-27072

This specification covers non-portable multi-conductor cable for interior applications where the material will be somewhat protected. The type of protection may include racks, tunnels or within trailers or equipment.

Detailed requirements for individual types of cable, such as wire gauge, number of conductors or types of shield and jacket, are called out on each specification or slash sheet.

For cables not specified in the specification supplement, design data must be submitted to the procuring activity for approval. The Nexans customer service department should be consulted about particular specifications and requirements.

MIL-DTL-55021

This specification covers insulated electrical hook-up wire (jacketed, unjacketed, shielded and unshielded) in twisted pair and triples for application in internal wiring of electrical equipment at medium temperatures (-40°C to 105°C) and high temperatures (-65°C to 200°C).

Detailed requirements for individual cables are called out on each specification. For additional information on a particular specification or for pricing information contact the Nexans customer services department.

Materials & Specifications

Guideline Specifications

MIL-C-17
MIL-C-7078
MIL-C-47206
MIL-DTL-27500
MIL-DTL-81381
MIL-DTL-27072
MIL-DTL-55021
MIL-W-22759
MIL-W-16878
MIL-W-81044
MIL-W-25038
MIL-W-76
MPD 1506
MPD 1507
MPD 2293
NAS 702
NAS 703

Available Insulation

Polytetrafluoroethylene (PTFE)
Fluorinated Ethylene Propylene (FEP)
Polyamide (nylon)
Polytetrafluoroethylene (PTFE) mineral filled
Polyurethane
Polyimides
Textile Braids
Polyvinylidene Fluoride (PVDF)
Polyamide (nylon) braids
Perfluoroalkoxy (PFA)
Fiber Glass
Radiated crosslinked materials (XL)
Ethylene chlorotrifluoroethylene (ECTFE)

General Markets

Military
Space Capsules
Missiles
Guidance Systems
Airframe
Radar
Shipboard
Telemetry Equipment
Computer
Commercial
Heating Systems
Textile Machinery
Appliance
Transit Systems
Communications
Power Generation
Musical Instruments

Quality Control

MIL-I-45208
ISO 9001
UL Approval
CS Approval
10 CFR 50
ASTM
ANSI-N45.2
MIL-STD-45662

Nexans recognizes it may be impossible for a customer to find exactly the right cable from a standard catalog. That is why we offer our customers the option of designing your own cables to meet your exact needs.

As a full service wire and cable manufacturer, most types of basic wire are available from Nexans. In addition, multi-conductor, shielded and coaxial cables may be included within the outer jacket of special cables. The many types of basic wires listed in this catalog, including thermocouple extension wires, are also available for inclusion in cables.

Combining years of experience with state-of-the-art facilities, Nexans offers you a variety of materials for jacketing EMI shielded and other special cables. The following is a list of materials processed by Nexans:

- Fiber glass braids
- Polyimide film
- Polyamide (nylon)
- Polyamide (nylon) braids
- Polyethylene
- Polyurethane
- FEP fluorocarbon resins, solid & foam
- PFA fluorocarbon resins
- PTFE fluorocarbon resins
- PTFE mineral-filled fluorocarbon resins
- ETFE fluoropolymer resins, solid & foam
- Textile braids
- ECTFE fluoropolymer resins, solid & foam
- MFA

Wire and Cable Formulas

Formulas for determining insulation, shield and jacket weights

Insulation weight: $\frac{D^2 - d^2}{2} \times K \times G = \text{lb/M'}$

Where: D = Diameter over insulation (inches)
d = Diameter over conductor (inches)
K = Constant 680
G = Specific gravity of solution materials

Shield Weight: $\frac{N \times C \times W}{\cos a} \times 1.03 = \text{lb/M'}$

Where: N = Number of ends per carrier
C = Number of carriers
W = Weight of one shield strand (lb/M')
a = Braid angle

Jacket weight: $\frac{D^2 - d^2}{2} \times K \times G = \text{lb/M'}$

Where: D = Diameter over insulation (inches)
d = Diameter over conductor (inches)
K = Constant 680
G = Specific gravity of solution materials

Tensile Strength Calculations for Insulation

Tube insulation: PSI = $\frac{F}{(OD^2 - ID^2) \times .7854}$

Where: F = Breaking force of specimen in pounds
OD = Diameter over the insulation (inches)
ID = Inner dimension of insulation or conductor OD (inches)

Sheath Insulation: Using 1/4" wide dumbbell sample

$$\text{PSI} = \frac{F}{T \times .25''}$$

Where: F = Breaking force of specimen in pounds
T = Wall thickness of specimen (inches)

Tensile Strength Calculations for Conductor

Solid conductor or single strand:

$$PSI = \frac{F}{(D)^2 \times .7854}$$

Where: F = Breaking force of specimen in pounds

D = Diameter of solid conductor or single strand (inches)

Stranded Conductor:

$$PSI = \frac{F}{(d)^2 \times \text{No. of strands} \times .7854}$$

Where: F = Breaking force of specimen in pounds

d = Average diameter of a single strand (inches)

Shield Coverage and Braid Angle Calculations

Formula for braided shield: 1, 3, 4, ect., conductors

$$\begin{aligned} \tan A &= 2 \pi (D + 2d) P/C \\ F &= NPd/\sin A \\ K &= (2F-F^2) \times 100 \end{aligned}$$

Braided shield with two conductors under shield:

$$\begin{aligned} \tan A &= 2 \pi (1.65 \times S + 2d) P/C \\ F &= NPd/\sin A \\ K &= (2F-F^2) \times 100 \end{aligned}$$

Spiral serve shield: 1, 3, 4, etc. conductors

$$\begin{aligned} \tan A &= 2 \pi (D + 2d) P_2/C \\ F &= NPd/\sin A \\ K &= F \times 100 \end{aligned}$$

Spiral serve shield with two conductors under shield:

$$\begin{aligned} \tan A &= 2 \pi (1.65 \times S + 2d) P_2/C \\ F &= NPd/\sin A \\ K &= F \times 100 \end{aligned}$$

Where: D = OD inner shield

S = OD of single insulated conductor

d = OD of single shield wire

P = Picks per inch

P₂ = Number of ends in one inch divided by number of ends in carrier

C = Number of carriers

N = Number of ends

K = Percent coverage

A = Braid angle

SPECIFIC GRAVITY OF COMMON MATERIALS

Aluminum (hard drawn)	2.699	Tin	7.30
Copper (drawn, annealed)	8.890	Polytetrafluoroethylene (PTFE)	2.15
Gold (drawn, annealed)	19.260	Fluorinated Ethylene Propylene (FEP)	2.15
Iron, pure	7.860	Ethylene-Tetrafluoroethylene (ETFE)	1.70
Iron, steel	7.700	Polyvinylidene Difluoride (PVDF)	1.74
Nickel	8.700	Polyvinylchloride (PVC)	1.20
Platinum	21.370	Polyethylene (PE)	0.96
Silver	10.500		

STRANDING & WEIGHTS OF NON-INSULATED COPPER WIRE

							DC Resistance OHMS/1,000 Ft Max.20°C				
AWG#	Const.	Lay-In Max.	Overall Diameter			SP Copper Nom.	NP Copper Nom.	Weight LB/1,000 ft	SP/NP Nom.	SP Max.	NP Max.
			SP/NP Min.	Nom.	Max.						
4	19X7/25	3.000	0.2500	0.2550	0.2630	0.2680	0.249	0.259	136.00	39.000	141.0
6	19X7/27	2.500	0.1980	0.2020	0.2080	0.2120	0.393	0.409	86.000	87.700	89.00
8	19X7/29	2.000	0.1580	0.1610	0.1650	0.1690	0.616	0.642	54.600	55.700	56.40
10	37/26	1.500	0.1060	0.1080	0.1100	0.1120	1.130	1.180	29.700	30.300	30.70
12	19/25	1.250	0.0820	0.0841	0.0858	0.0875	1.750	1.820	18.700	19.100	19.80
12	37/28	1.250	0.0837	0.0856	0.0873	0.0890	1.800	1.870	18.700	19.100	19.30
14	19/27	1.000	0.0653	0.0667	0.0681	0.0694	2.760	2.880	11.800	12.000	12.50
16	19/29	0.750	0.0521	0.0531	0.0542	0.0552	4.330	4.510	7.4600	7.6000	7.910
18	7/26	0.620	0.0463	0.0477	0.0491	0.0491	5.860	6.100	5.5200	5.6300	5.850
18	19/30	0.620	0.0460	0.0470	0.0479	0.0489	5.510	5.740	5.8400	5.9600	6.190
20	7/28	0.500	0.0367	0.0378	0.0389	0.0389	9.270	9.650	3.4700	3.5400	3.680
20	19/32	0.500	0.0367	0.0376	0.0384	0.0391	8.740	9.300	3.7300	3.8300	4.020
22	7/30	0.330	0.0294	0.0300	0.0309	0.0309	14.60	15.20	2.1900	2.2300	2.320
22	19/34	0.330	0.0288	0.0296	0.0302	0.0308	14.00	14.90	2.3100	2.3900	2.540
24	7/32	0.330	0.0235	0.0240	0.0247	0.0249	23.10	24.60	1.4000	1.4300	1.500
24	19/36	0.330	0.0228	0.0235	0.0240	0.0244	22.00	23.40	1.4600	1.5200	1.630
26	7/34	0.250	0.0184	0.0189	0.0195	0.0198	37.10	39.50	0.8650	0.8930	0.950
26	19/38	0.250	0.0181	0.0188	0.0205	0.0215	34.10	37.50	0.9280	0.9750	1.100
28	7/36	0.200	0.0146	0.0150	0.0154	0.0159	58.40	62.10	0.5460	0.5680	0.611
28	19/40	0.200	0.0140	0.0146	0.0160	0.0170	56.00	61.50	0.5630	0.5980	0.689
30	7/38	0.187	0.0116	0.0120	0.0124	0.0129	90.30	99.20	0.3500	0.3670	0.401
32	7/40	0.125	0.0089	0.0093	0.0096	0.0102	148.0	163.0	0.2110	0.2240	0.251
32	19/44	0.125	0.0093	0.0099	0.0105	0.0115	127.0	144.0	0.2400	0.2640	0.311
34	7/42	0.100	0.0071	0.0075	0.0077	0.0084	225.0	256.0	0.1360	0.1470	0.171
36	7/44	0.100	0.0056	0.0060	0.0062	0.0069	344.0	391.0	0.0875	0.0962	0.113

SP - Silver Plated

NP - Nickel Plated

ANNEALED COPPER WIRE NOMINAL CHARACTERISTICS

Single End, Bare and Plated Copper

AWG #	DIAMETER		CROSS	OHMS/1,000FT	Lbs/1,000 FT	FT/Lbs
	IN.	MIL.	SECTION (IN. ²)	AT 20° C		
8	0.1285	128.5	0.01297000	0.6281	49.9800	20.01
9	0.1144	114.4	0.01028000	0.7925	39.6200	25.24
10	0.1019	101.9	0.00815500	0.9988	31.4300	31.82
11	0.0907	90.7	0.00646000	1.2600	24.9000	40.20
12	0.0808	80.8	0.00513000	1.5900	19.8000	50.60
13	0.0720	72.0	0.00407000	2.0000	15.7000	63.70
14	0.0641	64.1	0.00323000	2.5200	12.4000	80.40
15	0.0571	57.1	0.00256000	3.1800	9.8700	101.00
16	0.0508	50.8	0.00203000	4.0200	7.8100	128.00
17	0.0453	45.3	0.00161000	5.0500	6.2100	161.00
18	0.0403	40.3	0.00128000	6.3900	4.9200	203.00
19	0.0359	35.9	0.00101000	8.0500	3.9000	256.00
20	0.0320	32.0	0.00080400	10.100	3.1000	323.00
21	0.0285	28.5	0.00063800	12.800	2.4600	407.00
22	0.0253	25.3	0.00050300	16.200	1.9400	516.00
23	0.0226	22.6	0.00040100	20.300	1.5500	647.00
24	0.0201	20.1	0.00031700	25.700	1.2200	818.00
25	0.0179	17.9	0.00025200	32.400	0.9700	1030.00
26	0.0159	15.9	0.00019900	41.000	0.7650	1310.00
27	0.0142	14.2	0.00015800	51.400	0.6100	1640.00
28	0.0126	12.6	0.00012500	65.300	0.4810	2080.00
29	0.0113	11.3	0.00010000	81.200	0.3870	2590.00
30	0.0100	10.0	0.00007850	104.00	0.3030	3300.00
31	0.0089	8.9	0.00006220	131.00	0.2400	4170.00
32	0.0080	8.0	0.00005030	162.00	0.1940	5160.00
33	0.0071	7.1	0.00003960	206.00	0.1530	6550.00
34	0.0063	6.3	0.00003120	261.00	0.1200	8320.00
35	0.0056	5.6	0.00002460	331.00	0.0949	10500.00
36	0.0050	5.0	0.00001960	415.00	0.0757	13200.00
37	0.0045	4.5	0.00001590	512.00	0.0613	16300.00
38	0.0040	4.0	0.00001260	648.00	0.0484	20600.00
39	0.0035	3.5	0.00000962	847.00	0.0371	27000.00
40	0.0031	3.1	0.00000755	1080.0	0.0291	34400.00
41	0.0028	2.8	0.00000616	1320.0	0.0237	42100.00
42	0.0025	2.5	0.00000491	1660.0	0.0189	52900.00
43	0.0022	2.2	0.00000380	2140.0	0.0147	68300.00
44	0.0020	2.0	0.00000314	2590.0	0.0121	82600.00

Shield Diameter Calculations

Additions for determining diameter over the shield of a multi-conductor cable. (All dimensions in inches)

Shield O.D. = Diameter under shield + increase based on braid gauge.

AWG Size (Braid)	Increase From Braid AWG
40	0.014
38	0.018
36	0.022
34	0.028
32	0.035
30	0.044
28	0.056

Tape Weight Calculations

Tape weight = $K \times t \times (d + t) \times G = \text{lb/M ft}$

Where: $K = 1364$

t = Tape thickness

f = Multiplying factor

d = Diameter of cable under tape (inches)

G = Specific gravity of tape

% Lap	f
17 ¹ / ₂	1.35
25	1.50
33	1.66
50	2.0

TEMPERATURE CONVERSION TABLE

°C	°F	°C	°F	°C	°F	°C	°F
-65	-85	+80	+176	+225	+437	+370	+698
-60	-76	+85	+185	+230	+446	+375	+707
-55	-67	+90	+194	+235	+455	+380	+716
-50	-58	+95	+203	+240	+464	+385	+725
-45	-49	+100	+212	+245	+473	+390	+734
-40	-40	+105	+221	+250	+482	+395	+743
-35	-31	+110	+230	+255	+491	+400	+752
-30	-22	+115	+239	+260	+500	+405	+761
-25	-13	+120	+248	+265	+509	+410	+770
-20	-4	+125	+257	+270	+518	+415	+779
-15	+5	+130	+266	+275	+527	+420	+788
-10	+14	+135	+275	+280	+536	+425	+797
-5	+23	+140	+284	+285	+545	+430	+806
0	+32	+145	+293	+290	+554	+435	+815
+5	+41	+150	+302	+295	+563	+440	+824
+10	+50	+155	+311	+300	+572	+445	+833
+15	+59	+160	+320	+305	+581	+450	+842
+20	+68	+165	+329	+310	+590	+455	+851
+25	+77	+170	+338	+315	+599	+460	+860
+30	+86	+175	+347	+320	+608	+465	+869
+35	+95	+180	+356	+325	+617	+470	+878
+40	+104	+185	+365	+330	+626	+475	+887
+45	+113	+190	+374	+335	+635	+480	+896
+50	+122	+195	+383	+340	+644	+485	+905
+55	+131	+200	+392	+345	+653	+490	+914
+60	+140	+205	+401	+350	+662	+495	+923
+65	+149	+210	+410	+355	+671	+500	+932
+70	+158	+215	+419	+360	+680		
+75	+167	+220	+428	+365	+689		

Conversion Factors

	Knowing	Multiply By	To Obtain
Length	Millimeters	39.370	Mils
	Mils	0.0254	Millimeters
	Millimeters	0.03937	Inches
	Inches	25.40	Millimeters
	Feet	0.3048	Meters
	Meters	3.2810	Feet
Cross Section Area	Square millimeters (mm ²)	1973.50	Circular Mils
	Circular Mils	0.0005067	Square millimeters (mm ²)
	Square millimeters (mm ²)	0.00155	Square Inches
	Square Inches	645.20	Square millimeters (mm ²)
Weight	Pounds (Lbs)	0.4536	Kilograms
	Kilograms	2.205	Pounds
	Pounds/MFt	1.488	Gram/Meter (kg/km)
	Gram/Meter (kg/km)	0.672	Pounds/MFt
Resistance	Ohm/Ft	3.2808	Ohm/meter
	Ohm/meter (/m)	0.3048	Ohm/Ft
Temperature	°C (Celsius degree) →	Multiply by 9/5 and add 32	→ °F
	°F (Fahrenheit degree) →	Subtract 32 and multiply by 5/9	→ °C

Conversion from english system to metric and vice versa