

XTRA·GUARD® 4

MULTIPAIR, SUPRA SHIELD®

EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

UL TYPE PLTC
UL AWM STYLE 20237
CSA AWM IA/B IIA/B FT1
300 VOLT

CHOOSE XTRA·GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°C to 125°C
- Resistance to Oils, Fuels, Solvents and Water
- UL Recognition, UL Listing and CSA Certification
- Unmatched Flame Resistant Insulation and Jacket
- Ultraviolet Light Stability (jacket color black)
- **SUPRA SHIELD** – Twice as Effective as Foil Shielding

XTRA·GUARD 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS

OPERATING TEMPERATURE:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

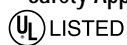
- Color Code: Chart B Page 374
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Thermoplastic Elastomer
- **SUPRA SHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

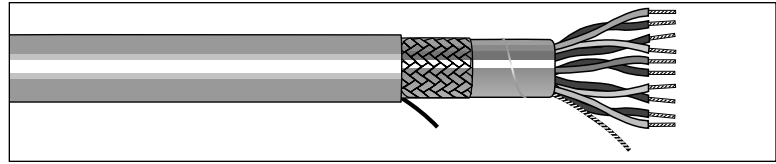
- UL AWM Style 20237
- UL Type PLTC
- CSA AWM IA/B IIA/B FT1
- Passes 210,000 BTU Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



AVAILABILITY

- ▲ In Stock: 500 ft (152m) and 1000 ft (305m) put-ups, check for jacket color availability
- Made-To-Order: All available jacket colors, 1,000 ft (305m) minimum

Teflon® is a registered trademark of E.I. DuPont Co.



24 AWG (0,23mm²), **7/32** (7x0,20mm), Insulation Thickness: **0.016"** (0,41mm)

XTRA·GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45271	1	0.032	0,81	0.20	5,1
▲ 45272	2	0.032	0,81	0.26	6,6
45273	3	0.032	0,81	0.29	7,4
45274	4	0.032	0,81	0.32	8,1
45275	5	0.032	0,81	0.34	8,7
45276	6	0.032	0,81	0.36	9,2
45279	9	0.032	0,81	0.42	10,6
45279/11	11	0.032	0,81	0.45	11,4
45279/15	15	0.032	0,81	0.50	12,7
45279/19	19	0.032	0,81	0.55	13,9

24 AWG - UL AWM STYLE 20237, CSA AWM IA/B IIA/B FT1 ONLY

22 AWG (0,35mm²), **7/30** (7x0,25mm), Insulation Thickness: **0.016"** (0,41mm)

XTRA·GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
▲ 45121	1	0.032	0,81	0.22	5,6
▲ 45122	2	0.032	0,81	0.28	7,1
▲ 45123	3	0.032	0,81	0.32	8,0
45124	4	0.032	0,81	0.35	8,8
▲ 45125	5	0.032	0,81	0.37	9,5
45126	6	0.032	0,81	0.40	10,1
45129	9	0.032	0,81	0.46	11,7
45129/11	11	0.032	0,81	0.49	12,5
45129/15	15	0.032	0,81	0.55	14,1
45129/19	19	0.053	1,35	0.65	16,4

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See Page 131 for Product Specifications)

FIT®-400 – Temperature/Chemical Resistant FEP Teflon®

(See Page 129 for Product Specifications)

FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION IN THE BACK OF THIS BOOK.



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Email: info@alphawire.com

UL TYPE PLTC
 UL AWM STYLE 20237
 CSA AWM IA/B IIA/B FT1
 300 VOLT

XTRA-GUARD® 4

MULTIPAIR, SUPRA SHIELD®

EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

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- Three Times the Low-Temperature Flexibility of Conventional PVC
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- **SUPRA SHIELD** – Twice as Effective as Foil Shielding

XTRA-GUARD 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS

OPERATING TEMPERATURE:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

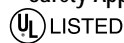
- Color Code: Chart B Page 374
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Thermoplastic Elastomer
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- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

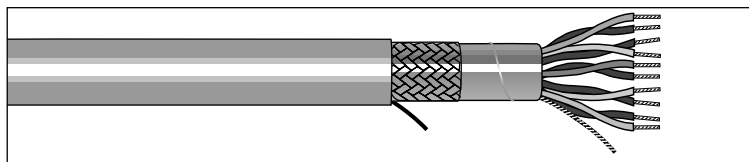
- UL AWM Style 20237
- UL Type PLTC
- CSA AWM IA/B IIA/B FT1
- Passes 210,000 BTU Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



AVAILABILITY

- ▲ In Stock: 500 ft (152m) and 1000 ft (305m) put-ups, check for jacket color availability
- Made-To-Order: All available jacket colors, 1,000 ft (305m) minimum

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20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.016" (0,41mm)

XTRA-GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45291	1	0.032	0,81	0.23	5,8
45292	2	0.032	0,81	0.29	7,5
45293	3	0.032	0,81	0.34	8,5
45294	4	0.032	0,81	0.37	9,4
45295	5	0.032	0,81	0.40	10,1
45296	6	0.032	0,81	0.42	10,8
45299	9	0.032	0,81	0.49	12,4
45299/11	11	0.032	0,81	0.53	13,4
45299/15	15	0.053	1,35	0.63	16,1

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

XTRA-GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
▲ 45131	1	0.032	0,81	0.25	6,4
▲ 45132	2	0.032	0,81	0.33	8,3
45133	3	0.032	0,81	0.37	9,4
45134	4	0.032	0,81	0.41	10,4
45135	5	0.032	0,81	0.44	11,3
45136	6	0.032	0,81	0.47	12,0
45139	9	0.032	0,81	0.61	15,5
45139/11	11	0.032	0,81	0.63	16,1
45139/15	15	0.032	0,81	0.71	18,0

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See Page 131 for Product Specifications)

FIT®-400 – Temperature/Chemical Resistant FEP Teflon®

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**FOR COMPLETE PRODUCT PERFORMANCE DATA,
 SEE TECHNICAL SECTION
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UL TYPE PLTC
CSA CMG FT4
300 VOLT

INSIRUMENTATION CABLE

OVERALL SHIELDED MULTIPAIR/MULTITRIAD

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 105°C

VOLTAGE RATING:

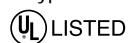
- 300 Volt

PRODUCT DESCRIPTION:

- Stranded Bare Copper Conductors
- PVC Insulation:
Paired Construction Color Coded – One Black, One White
Triad Construction Color Coded – One Black, One White, One Red
White Conductor Printed with Pair/Triad Number at One Inch Intervals for Easy Identification
- When Shielded:
Aluminum/Polyester and Tinned Copper Drain Wire
- PVC Jacket – Black, UV Resistant

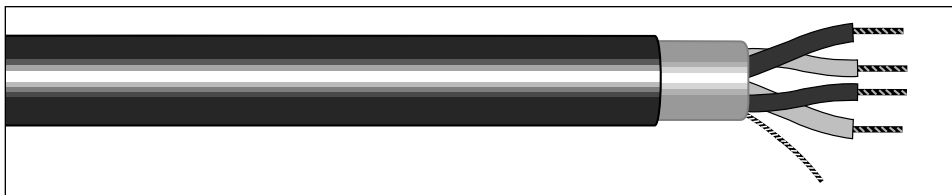
SPECIFICATIONS

- UL Type PLTC
- CSA CMG FT4
- Passes UL Vertical Tray Flame Test
- Complies with NEC Article 725, Type PLTC



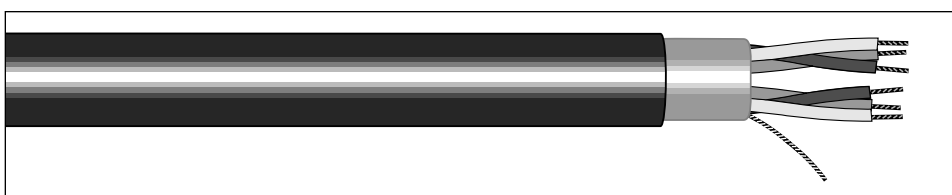
AVAILABILITY

- Bulk, Cut to Length
- ▲ Available in 1000 ft (305m) put-ups



OVERALL SHIELDED PAIRS

Alpha Part No.	No. of Pairs	AWG	No. of Strands	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
				Inches	mm	Inches	mm	Inches	mm
▲ 5610B2201	1	22	7	0.013	0,33	0.035	0,89	0.19	4,9
▲ 5610B2001	1	20	7	0.013	0,33	0.035	0,89	0.21	5,3
▲ 5610B2002	2	20	7	0.013	0,33	0.040	1,02	0.31	7,1
▲ 5610B2004	4	20	7	0.013	0,33	0.050	1,27	0.38	9,6
▲ 5610B2008	8	20	7	0.013	0,33	0.050	1,27	0.47	11,9
▲ 5610B2010	10	20	7	0.013	0,33	0.050	1,27	0.53	13,0
▲ 5610B2012	12	20	7	0.013	0,33	0.050	1,27	0.55	14,1
▲ 5610B2016	16	20	7	0.013	0,33	0.060	1,52	0.63	16,0
▲ 5610B2020	20	20	7	0.013	0,33	0.060	1,52	0.66	17,3
▲ 5610B2024	24	20	7	0.013	0,33	0.060	1,52	0.74	18,5
▲ 5610B1801	1	18	7	0.016	0,41	0.035	0,89	0.24	6,1
▲ 5610B1802	2	18	7	0.016	0,41	0.040	1,02	0.37	8,4
▲ 5610B1804	4	18	7	0.016	0,41	0.050	1,27	0.45	11,2
▲ 5610B1808	8	18	7	0.016	0,41	0.050	1,27	0.56	14,2
▲ 5610B1812	12	18	7	0.016	0,41	0.060	1,52	0.68	17,0
▲ 5610B1601	1	16	7	0.016	0,41	0.035	0,89	0.26	6,5
▲ 5610B1602	2	16	7	0.016	0,41	0.050	1,27	0.43	9,6
▲ 5610B1604	4	16	7	0.016	0,41	0.050	1,27	0.49	12,2
▲ 5610B1608	8	16	7	0.016	0,41	0.060	1,52	0.64	16,2
▲ 5610B1612	12	16	7	0.016	0,41	0.060	1,52	0.75	18,8
▲ 5610B1401	1	14	19	0.020	0,51	0.040	1,02	0.31	7,9
▲ 5610B1201	1	12	19	0.020	0,51	0.040	1,02	0.35	8,8



OVERALL SHIELDED TRIADS

Alpha Part No.	No. of Triads	AWG	No. of Strands	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
				Inches	mm	Inches	mm	Inches	mm
▲ 5640B2201	1	22	7	0.013	0,33	0.035	0,89	0.20	5,8
▲ 5640B2001	1	20	7	0.013	0,33	0.035	0,89	0.22	6,6
▲ 5640B2004	4	20	7	0.013	0,33	0.050	1,27	0.44	11,2
▲ 5640B1801	1	18	7	0.016	0,41	0.035	0,89	0.25	7,4
▲ 5640B1601	1	16	7	0.016	0,41	0.040	1,01	0.27	8,6

321



UL TYPE CL2P
CSA CMP FT6
150 VOLT

COMMUNICATION & CONTROL

PLENUM-RATED MULTIPAIR, FOIL SHIELD

PLENUM-RATED PVC/PLENUM-RATED PVC

APPLICATIONS

- Remote Control
- Intercom Systems
- Burglar Alarm Systems
- Signaling And Power-Limited Circuits
- Cash Registers
- CRT-To-Control Interface
- Other Low-Voltage Systems

CHARACTERISTICS

OPERATING TEMPERATURE:

- 20°C to 60°C

VOLTAGE RATING:

- 150 Volt

COLOR DESCRIPTION:

- Color Code: See Chart Below
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Bare Copper
- Shield: Aluminum/Polyester
- Insulation: Color-Coded Plenum-Rated PVC
- Drain Wire: Stranded Tinned Copper
- Jacket: Plenum-Rated PVC

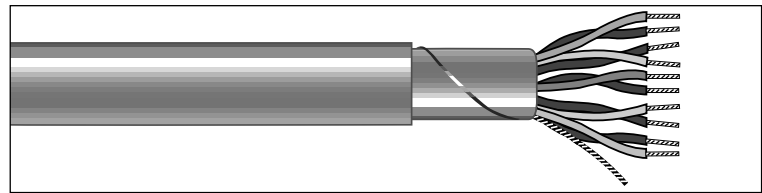
SPECIFICATIONS

- UL Type CL2P
- CSA CMP FT6
- Passes Steiner Tunnel Test



AVAILABILITY

- 1000 ft (305m)



24 AWG

Alpha Part No.	No. of Pairs	Cond. AWG Size	Stranding	Jacket Thickness		Diameter	
				Inches	mm	Inches	mm
57602	2	24	7/32	0.015	0,38	0.157	3,99
57603	3	24	7/32	0.015	0,38	0.167	4,24
57604	4	24	7/32	0.015	0,38	0.182	4,62
57605	5	24	7/32	0.015	0,38	0.201	5,11
57606	6	24	7/32	0.015	0,38	0.220	5,59

22 AWG

Alpha Part No.	No. of Pairs	Cond. AWG Size	Stranding	Jacket Thickness		Diameter	
				Inches	mm	Inches	mm
58412	2	22	7/30	0.014	0,36	0.177	4,50
58413	3	22	7/30	0.014	0,36	0.184	4,67
58414	4	22	7/30	0.014	0,36	0.196	4,98
58415	5	22	7/30	0.014	0,36	0.215	5,46
58416	6	22	7/30	0.014	0,36	0.232	5,89
57628	8	22	7/30	0.014	0,36	0.271	6,88
58419	9	22	7/30	0.014	0,36	0.278	7,06
58420/19	19	22	7/30	0.020	0,51	0.398	10,11

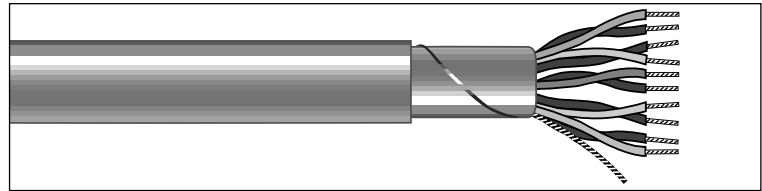
20 AWG

Alpha Part No.	No. of Pairs	Cond. AWG Size	Stranding	Jacket Thickness		Diameter	
				Inches	mm	Inches	mm
57632	2	20	7/28	0.015	0,38	0.196	4,98
57634	4	20	7/28	0.015	0,38	0.230	5,84
57636	6	20	7/28	0.015	0,38	0.279	7,09

Pair No.	Combination	Pair No.	Combination
1	Black paired with Red	10	Red paired with Blue
2	Black paired with White	11	Red paired with Yellow
3	Black paired with Green	12	Red paired with Brown
4	Black paired with Blue	13	Red paired with Orange
5	Black paired with Yellow	14	Green paired with White
6	Black paired with Brown	15	Green paired with Blue
7	Black paired with Orange	16	Green paired with Yellow
8	Red paired with White	17	Green paired with Brown
9	Red paired with Green	18	Green paired with Orange
		19	White paired with Blue

APPLICATIONS

- Mid-Capacitance Cables
RS-422, RS-423, RS-232 Computer Data Cables
Mainframes To Terminals
CRT-To-Control Interfaces
Other Low Voltage Systems
- Low-Capacitance Cables
RS-422, RS-423, RS-232 Extended Distance Cables
Mainframes To Terminals
CRT-To-Control Interfaces
Other Low Voltage Systems



MID-CAPACITANCE -24 AWG (0,23mm²)

Alpha Part No.	No. of Pairs	Stranding	Jacket Thickness		Diameter		Nominal Capacitance
			Inches	mm	Inches	mm	pF/ft
58802	2	7/32	0.012	0,30	0.159	4,0	18-20
58803	3	7/32	0.012	0,30	0.169	4,3	18-20
58804	4	7/32	0.012	0,30	0.195	5,0	18-20
▲58806	6	7/32	0.012	0,30	0.222	5,6	18-20
58809†	9	7/32	0.012	0,30	0.261	6,6	18-20
58812†	12½	7/32	0.012	0,30	0.294	7,4	18-20

LOW-CAPACITANCE -24 AWG (0,23mm²)

Alpha Part No.	No. of Pairs	Stranding	Jacket Thickness		Diameter		Nominal Capacitance
			Inches	mm	Inches	mm	pF/ft
▲58902♦	2	7/32	0.012	0,30	0.210	5,3	12.5-15
58903	3	7/32	0.012	0,30	0.200	5,1	12.5-15
▲58904	4	7/32	0.012	0,30	0.221	5,6	12.5-15
58906	6	7/32	0.012	0,30	0.253	6,4	12.5-15
58909†	9	7/32	0.012	0,30	0.317	8,1	12.5-15
58912†	12½	7/32	0.012	0,30	0.345	8,8	12.5-15

♦ Insulation Thickness .014"

CHARACTERISTICS

OPERATING TEMPERATURE:

- 20°C to 60°C
-55°C to 125°C†

VOLTAGE RATING:

- 150 Volt

COLOR DESCRIPTION:

- Color Code: See Chart Below
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Shield: Aluminum/Polyester
- Insulation: Color-Coded FEP
Mid-Capacitance: 0.007" Thickness
Low-Capacitance: 0.012" Thickness
- Drain Wire: Stranded Tinned Copper
- Jacket: Plenum-Rated PVC Except Part No.'s 58809, 58812, 58909, 58912 Which Have A Polyvinylidene Fluoride (PVDF) Jacket

SPECIFICATIONS

- UL Type CL2P
- CSA CMP FT6
- Passes Steiner Tunnel Test



AVAILABILITY

- ▲ 1000 ft (305m), 500 ft (152m)
- 1000 ft (305m)
1000 ft put-ups may contain multiple lengths

COLOR CODE CHART

Pair No.	Combination
1	Black paired with Yellow
2	Red paired with Violet
3	Blue paired with Brown
4	Orange paired with Green
5	Black/White paired with White/Black
6	Brown/White paired with White/Brown
7	Red/White paired with White/Red
8	Orange/White paired with White/Orange
9	Yellow/White paired with White/Yellow
10	Green/White paired with White/Green
11	Blue/White paired with White/Blue
12	Violet/White paired with White/Violet
	Single: Green/Yellow

COMMUNICATION & CONTROL

MULTIPAIR, INDIVIDUALLY FOIL SHIELDED PVC/PVC POWER-LIMITED TRAY CABLE

UL TYPE CM/PLTC, CSA CMG FT4
300 VOLT

APPLICATIONS

- Instrumentation Systems
- Power-Limited Tray Cables

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 105°C

VOLTAGE RATING:

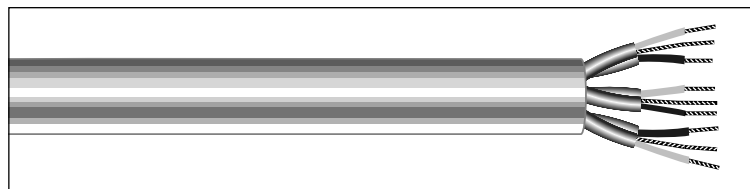
- 300 Volt

COLOR DESCRIPTION:

- Color Code: Black and Red Pairs, Numbered
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Shield: Individually Foil Shielded Pairs
- Drain Wire: Stranded Tinned Copper
- Insulation: Color-Coded PVC
- Jacket: PVC



22 AWG (0,35mm²), 7/30 (7x0,25mm)

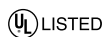
Alpha Part No.	No. of Pairs	Jacket Thickness		Diameter	
		Inches	mm	Inches	mm
6434	2	0.043	1,09	0.315	8,0
6435	3	0.043	1,09	0.331	8,4
6436	4	0.043	1,09	0.360	9,1
6437	6	0.053	1,35	0.437	11,1
6438	9	0.053	1,35	0.500	12,7
6439	11	0.053	1,35	0.551	14,1
6440	19	0.063	1,60	0.686	17,4
6441	51	0.075	1,91	1.050	26,6

18 AWG (0,96mm²), 19/30 (19x0,25mm)

Alpha Part No.	No. of Pairs	Jacket Thickness		Diameter	
		Inches	mm	Inches	mm
6442	2	0.043	1,09	0.380	9,6
6443	3	0.053	1,35	0.423	10,7
6444	4	0.053	1,35	0.486	12,3
6445	6	0.053	1,35	0.538	13,6
6446	9	0.063	1,60	0.650	16,5
6447	11	0.063	1,60	0.727	18,4
6448	15	0.063	1,60	0.806	20,4

SPECIFICATIONS

- UL Type CM/PLTC
- CSA CMG FT4



AVAILABILITY

- 1000 ft (305m), 500 ft (152m) put-ups



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Web Site: www.alphawire.com
Email: info@alphawire.com

UL TYPE CM
UL AWM STYLE 2464, CSA CMG FT4
300 VOLT

MULTIPAIR, INDIVIDUALLY FOIL SHIELDED
SR-PVC/PVC

APPLICATIONS

- Instrumentation Systems
- Audio Systems

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- 75°C – CM

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: Black/Red, Green/White
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Shield: Individually Foil Shielded Pairs
- Drain Wire: 22 AWG, 7/30 Tinned Copper
- Insulation: Color-Coded Semi-Rigid PVC
- Jacket: PVC



20 AWG (0,56mm²), 7/28 (7x0,32mm)

Alpha Part No.	No. of Pairs	Jacket Thickness		Diameter		Nominal Capacitance			
		Inches	mm	Inches	mm	CDR to CDR		CDR to CDR+Shield	
						PF/FT	PF/M	PF/FT	PF/M
6416	2	0.041	1,04	0.301	7,6	55	180	95	312

SPECIFICATIONS

- UL Type CM
- UL AWM Style 2464
- CSA CMG FT4



AVAILABILITY

- 1000 ft (305m), 500 ft (152m) put-ups

COMMUNICATION & CONTROL

MULTIPAIR, INDIVIDUALLY FOIL SHIELDED

PP/PE, DIRECT BURIAL

350 VOLT

APPLICATIONS

- Direct Burial
- Computer Control/Instrumentation

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 80°C

VOLTAGE RATING:

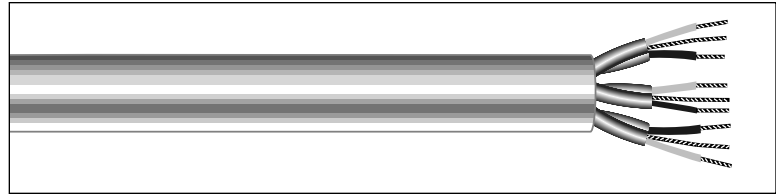
- 350 Volt

COLOR DESCRIPTION:

- Color Code: Chart A Page 374
- Jacket Color: Black

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Shield: Individually Foil Shielded Pairs
- Drain Wire: 22 AWG, 7/30 Tinned Copper
- Insulation: Color-Coded Polypropylene
- Jacket: High-Density Polyethylene



20 AWG (0,51mm²), **10x30** (10x0,25mm)

Alpha Part No.	No. of Pairs	Jacket Thickness		Diameter		Nominal Capacitance			
		Inches	mm	Inches	mm	CDR to CDR PF/FT	CDR to CDR PF/M	CDR to CDR+Shield PF/FT	CDR to CDR+Shield PF/M
6314	3	0.040	1,0	0.309	7,8	30	98	55	180
6315	6	0.045	1,1	0.400	10,2	30	98	55	180

AVAILABILITY

- 1000 ft (305m), 500 ft (152m) put-ups



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APPLICATIONS

- EIA RS-232C Interface
- CAD/CAM Applications

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- 75°C – CM

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: Part No. 6362 to Part No. 6372, Chart M Page 377;
Part No. 6373 to Part No. 6384, Chart A Page 374
(Except 6376 and 6379 – See Color Code Chart Below)
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Semi-Rigid PVC
- Shield: Aluminum/Polyester, Foil Facing Out Plus Overall Braid of Tinned Copper (65% Coverage)
- Drain Wire: 24 AWG, 7/32 Tinned Copper
- Jacket: PVC

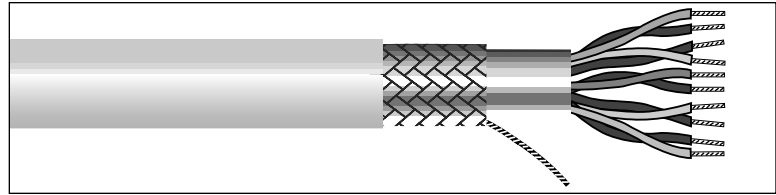
SPECIFICATIONS

- UL Type CM
- UL AWM Style 2464
- CSA CMG FT4



AVAILABILITY

- 1000 ft (305m), 500 ft (152m),
100 ft (30,5m) put-ups



24 AWG (0,23mm²), **7/32** (7x0,20mm), Insulation Thickness: **0.010"** (0,25mm)

Alpha Part No.	No. of Pairs	Jacket Thickness		Diameter		Nominal Capacitance			
		Inches	mm	Inches	mm	CDR to CDR PF/FT	CDR to CDR PF/M	CDR to CDR+Shield PF/FT	CDR to CDR+Shield PF/M
6362	2	0.032	0,81	0.235	6,4	30	98	50	164
6363	3	0.032	0,81	0.245	6,7	30	98	50	164
6364	4	0.032	0,81	0.265	7,4	30	98	50	164
6365	5	0.032	0,81	0.285	7,5	30	98	50	164
6366	6	0.032	0,81	0.305	7,9	30	98	50	164
6367	7	0.032	0,81	0.305	8,2	30	98	50	164
6368	10	0.032	0,81	0.385	9,8	30	98	50	164
6369	12 ^{1/2}	0.032	0,81	0.415	10,3	30	98	50	164
6370	15	0.032	0,81	0.425	11,3	30	98	50	164
6371	18	0.032	0,81	0.450	12,2	30	98	50	164
6372	25	0.032	0,81	0.520	13,4	30	98	50	164

22 AWG (0,35mm²), **7/30** (7x0,25mm), Insulation Thickness: **0.010"** (0,25mm)

Alpha Part No.	No. of Pairs	Jacket Thickness		Diameter		Nominal Capacitance			
		Inches	mm	Inches	mm	CDR to CDR PF/FT	CDR to CDR PF/M	CDR to CDR+Shield PF/FT	CDR to CDR+Shield PF/M
6373	2	0.032	0,81	0.260	6,6	40	131	72	236
6374	3	0.032	0,81	0.265	7,5	35	115	63	227
6375	4	0.032	0,81	0.290	8,1	35	115	63	227
6376	5	0.032	0,81	0.322	8,2	35	115	63	207
6377	6	0.032	0,81	0.335	8,9	35	115	63	207
6378	7	0.032	0,81	0.355	8,9	35	115	63	207
6379	8	0.032	0,81	0.360	9,7	35	115	63	207
6380	10	0.032	0,81	0.420	11,1	35	115	63	207
6381	12 ^{1/2}	0.032	0,81	0.430	11,5	35	115	63	207
6382	15	0.032	0,81	0.472	12,7	35	115	63	207
6383	18	0.032	0,81	0.490	13,6	35	115	63	207
6384	25	0.032	0,81	0.610	15,7	35	115	63	207

COLOR CODE CHART

Pair No.	Color	Pair No.	Color
1	Black, Red	5	Black, Yellow
2	Black, White	6	Black, Brown
3	Black, Green	7	Black, Orange
4	Black, Blue	8	Red, White

UL LISTED TYPE CL2, CM
UL AWM STYLE 2960, 2919, CSA CMH FT1
300 VOLT

COMM. & CONTROL

MULTIPAIR, FOIL/BRAID SHIELD PE/PVC, LOW CAPACITANCE CABLE

APPLICATIONS

- EIA RS-232C Interface
- CAD/CAM Applications

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 60°C – AWM 2960
- 75°C – CM
- 80°C – AWM 2919

VOLTAGE RATING:

- 300 Volt – CM
- 30 Volt – AWM

COLOR DESCRIPTION:

- Color Code: Part No. 6390 to Part No. 6400
See Chart Below;
Part No. 6401 to Part No. 6411, Chart M Page 377
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Polyethylene
- Shield: Aluminum/Polyester, Foil Facing Out Plus Overall Braid of Tinned Copper (65%)
- Drain Wire: 28 AWG, 7/36 Tinned Copper – Part No. 6390 to Part No. 6400; 24 AWG, 7/32 Tinned Copper – Part No. 6401 to Part No. 6411
- Jacket: PVC

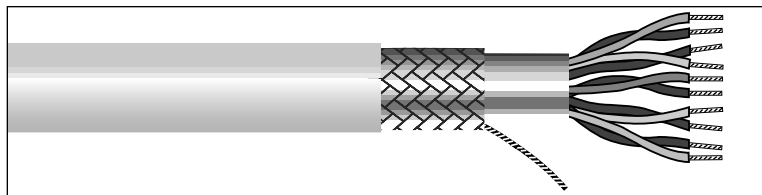
SPECIFICATIONS

- UL Listed Type CL2, CM
- UL AWM Style 2960, 2919
- CSA CMH FT1



AVAILABILITY

- 1000 ft (305m), 500 ft (152m),
100 ft (30.5m) put-ups



28 AWG (0,089mm²), 7/36 (7x0,13mm)

Alpha Part No.	No. of Pairs	Jacket		Diameter		Nominal Capacitance			
		Thickness Inches	mm	Inches	mm	CDR to CDR PF/FT	CDR to CDR PF/M	CDR+Shield PF/FT	CDR+Shield PF/M
6390	2	0.035	0,89	0.214	5,4	15.5	50.9	27.5	90.2
6391	3	0.035	0,89	0.222	5,6	15.5	50.9	27.5	90.2
6392	4	0.035	0,89	0.237	6,0	15.5	50.9	27.5	90.2
6393	5	0.035	0,89	0.240	6,1	15.5	50.9	27.5	90.2
6394	7	0.035	0,89	0.256	6,5	15.5	50.9	27.5	90.2
6395	9	0.035	0,89	0.290	7,3	15.5	50.9	27.5	90.2
6396	12	0.035	0,89	0.319	8,1	15.5	50.9	27.5	90.2
6397	13	0.035	0,89	0.336	8,5	15.5	50.9	27.5	90.2
6398	18	0.035	0,89	0.365	9,2	15.5	50.9	27.5	90.2
6399	25	0.035	0,89	0.429	10,9	15.5	50.9	27.5	90.2
6400	31	0.035	0,89	0.462	11,7	15.5	50.9	27.5	90.2

24 AWG (0,23mm²), 7/32 (7x0,20mm)

Alpha Part No.	No. of Pairs	Jacket		Diameter		Nominal Capacitance			
		Thickness Inches	mm	Inches	mm	CDR to CDR PF/FT	CDR to CDR PF/M	CDR+Shield PF/FT	CDR+Shield PF/M
6401	2	0.035	0,89	0.291	7,3	15.5	59.1	27.5	90.2
6402	3	0.035	0,89	0.305	7,7	15.5	59.1	27.5	90.2
6403	4	0.035	0,89	0.330	8,3	15.5	59.1	27.5	90.2
6404	5	0.035	0,89	0.338	8,5	15.5	59.1	27.5	90.2
6405	6	0.035	0,89	0.364	9,2	15.5	59.1	27.5	90.2
6406	7	0.035	0,89	0.364	9,2	15.5	59.1	27.5	90.2
6407	9	0.035	0,89	0.419	10,6	15.5	59.1	27.5	90.2
6408	10	0.035	0,89	0.451	11,4	15.5	59.1	27.5	90.2
6409	12	0.035	0,89	0.464	11,7	15.5	59.1	27.5	90.2
6410	18	0.045	1,14	0.567	14,4	15.5	59.1	27.5	90.2
6411	25	0.045	1,14	0.670	17,0	15.5	59.1	27.5	90.2

COLOR CODE CHART

No. Pairs	Color Code	No. Pairs	Color Code	No. Pairs	Color Code	No. Pairs	Color Code	No. Pairs	Color Code	No. Pairs	Color Code
1	Black, Red	7	Black, Orange	12	Red, Brown	17	Green, Brown	22	White, Orange	27	Brown, Orange
2	Black, White	8	Red, White	13	Red, Orange	18	Green, Orange	23	Blue, Yellow	28	Orange, Yellow
3	Black, Green	9	Red, Green	14	Green, White	19	White, Blue	24	Blue, Brown	29	Purple, Orange
4	Black, Blue	10	Red, Blue	15	Green, Blue	20	White, Yellow	25	Blue Orange	30	Purple, Red
5	Black, Yellow	11	Red, Yellow	16	Green, Yellow	21	White, Brown	26	Brown, Yellow	31	Purple, White
6	Black, Brown										

APPLICATIONS

- EIA RS-485 Applications

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 80°C

VOLTAGE RATING:

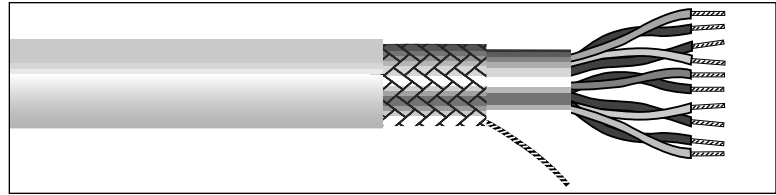
- 300 Volt – CM
- 30 Volt – AWM

COLOR DESCRIPTION:

- Color Code: Chart M Page 377
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Polyethylene
- Shield: Aluminum/Polyester, Foil Facing Out Plus Overall Braid of Tinned Copper (90%)
- Drain Wire: 24 AWG, 7/32 Tinned Copper
- Jacket: PVC



24 AWG (0,23mm²), **7/32** (7x0,20mm)

Alpha Part No.	No. of Pairs	Jacket Thickness		Diameter		Nominal Capacitance			
		Inches	mm	Inches	mm	CDR to CDR PF/FT	CDR to CDR PF/M	CDR to CDR+Shield PF/FT	CDR to CDR+Shield PF/M
6412	1	0.035	0,89	0.200	5,1	12.8	42	23	75.5
6413	2	0.035	0,89	0.280	7,1	12.8	42	23	75.5
6414	3	0.035	0,89	0.300	7,6	12.8	42	23	75.5
6415	4	0.035	0,89	0.322	8,2	12.8	42	23	75.5

SPECIFICATIONS

- UL Type CM
- UL AWM Style 2919
- CSA CMH FT1



AVAILABILITY

- 1000 ft (305m), 500 ft (152m), 100 ft (30,5m) put-ups

APPLICATIONS

- EIA RS-232C Interface

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 80°C

VOLTAGE RATING:

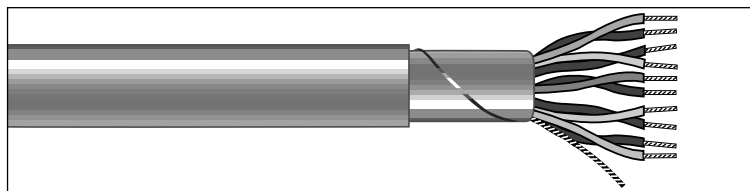
- 300 Volt – CM

COLOR DESCRIPTION:

- Color Code: Chart M Page 377
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: 24 AWG, 7/32 Tinned Copper
- Shield: Overall Aluminum/Polyester, Foil Facing Out
- Drain Wire: 24 AWG, 7/32 Tinned Copper
- Insulation: Color-Coded Polyethylene
- Jacket: PVC



Alpha Part No.	No. of Pairs	Jacket Thickness		Diameter		Nominal Capacitance			
		Inches	mm	Inches	mm	CDR to CDR PF/FT	CDR to CDR PF/M	CDR to CDR+Shield PF/FT	CDR to CDR+Shield PF/M
6301	6	0.035	0,89	0.342	8,6	15.5	50.8	27.5	90.2
6304	12 ^{1/2}	0.035	0,89	0.445	11,3	15.5	50.8	27.5	90.2

218

SPECIFICATIONS

- UL Type CM
- UL AWM Style 2919
- CSA CMH FT1



AVAILABILITY

- 1000 ft (305m), 500 ft (152m), 100 ft (30,5m) put-ups

COMMUNICATION & CONTROL

MULTIPAIR, FOIL SHIELD PVC/PVC POWER-LIMITED TRAY CABLE

UL TYPE CM/PLTC, CSA CMG FT4
300 VOLT

APPLICATIONS

- Instrumentation Systems
- Power-Limited Tray Cable

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 105°C

VOLTAGE RATING:

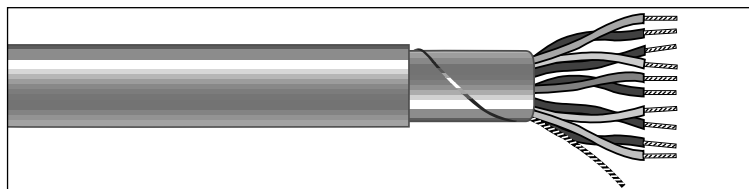
- 300 Volt

COLOR DESCRIPTION:

- Color Code: Black and Red Pairs, Numbered
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Shield: Overall Aluminum/Polyester Foil
- Drain Wire: Stranded Tinned Copper
- Insulation: Color-Coded PVC
- Jacket: PVC



22 AWG (0,35mm²), 7/30 (7x0,25mm)

Alpha Part No.	No. of Pairs	Jacket Thickness		Diameter	
		Inches	mm	Inches	mm
6417	2	0.043	1,09	0.310	7,8
6418	3	0.043	1,09	0.326	8,2
6419	4	0.043	1,09	0.353	8,9
6420	6	0.053	1,35	0.425	10,8
6421	9	0.053	1,35	0.488	12,4
6422	11	0.053	1,35	0.536	13,6
6423	15	0.053	1,35	0.594	15,0
6424	19	0.063	1,60	0.631	16,0
6425	27	0.063	1,60	0.741	18,8
6426	51	0.063	1,60	0.950	24,1

18 AWG (0,96mm²), 19/30 (19x0,25mm)

Alpha Part No.	No. of Pairs	Jacket Thickness		Diameter	
		Inches	mm	Inches	mm
6427	2	0.043	1,0	0.377	9,5
6428	3	0.053	1,3	0.420	10,6
6429	4	0.053	1,3	0.458	11,6
6430	6	0.053	1,3	0.509	12,9
6431	9	0.053	1,3	0.591	15,1
6432	11	0.063	1,6	0.682	17,3
6433	15	0.063	1,6	0.755	19,1

SPECIFICATIONS

- UL Type CM/PLTC
- CSA CMG FT4



AVAILABILITY

- 1000 ft (305m), 500 ft (152m) put-ups



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INSTRUMENTATION CABLE

UNSHIELDED/OVERALL SHIELDED MULTIPAIR INDIVIDUALLY AND OVERALL SHIELDED MULTIPAIR

UL TYPE TC
90°C 600 VOLT

CHARACTERISTICS

OPERATING TEMPERATURE:

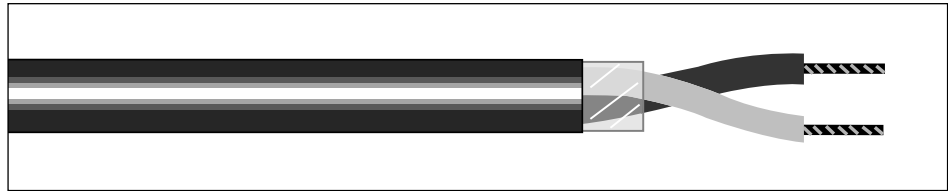
- -20°C to 90°C

VOLTAGE RATING:

- 600 Volt

PRODUCT DESCRIPTION:

- Stranded Bare Copper Conductors
- PVC/Nylon Insulation:
Paired Construction Color Coded—
One Black, One White
White Conductor Printed with Pair
Number for Easy Identification
- When Shielded:
Aluminum Polyester and Tinned
Copper Drain Wire
- PVC Jacket – Black, UV Resistant



UNSHIELDED PAIRS

Alpha Part No.	No. of Pairs	AWG	No. of Strands	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
				Inches	mm	Inches	mm	Inches	mm
▲ 5606B1801	1	18	7	0.021	0,53	0.045	1,14	0.27	7,0
▲ 5606B1601	1	16	7	0.021	0,53	0.045	1,14	0.29	7,4



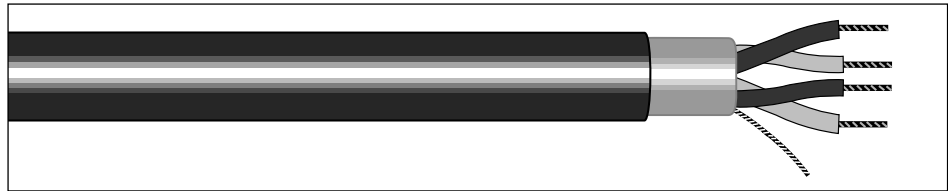
SPECIFICATIONS

- UL Type TC
- Passes UL Vertical Tray Flame Test
- Complies with NEC Article 340 (Article 725 Class 1)
- † Not UL Listed



AVAILABILITY

- Bulk, Cut to Length
- ▲ Available in 1000 ft (305m) put-ups



OVERALL SHIELDED PAIRS

Alpha Part No.	No. of Pairs	AWG	No. of Strands	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
				Inches	mm	Inches	mm	Inches	mm
▲ 5616B2001†	1	20	7	0.016	0,41	0.035	0,89	0.22	5,5
▲ 5616B1801	1	18	7	0.021	0,53	0.045	1,14	0.28	7,0
5616B1804	4	18	7	0.021	0,53	0.045	1,14	0.49	11,9
▲ 5616B1808	8	18	7	0.021	0,53	0.060	1,52	0.64	16,2
5616B1812	12	18	7	0.021	0,53	0.060	1,52	0.74	18,8
▲ 5616B1601	1	16	7	0.021	0,53	0.045	1,14	0.30	7,5
▲ 5616B1602	2	16	7	0.021	0,53	0.045	1,14	0.46	10,2
5616B1604	4	16	7	0.021	0,53	0.060	1,52	0.53	13,7
5616B1608	8	16	7	0.021	0,53	0.060	1,52	0.69	17,8
▲ 5616B1401	1	14	19	0.021	0,53	0.045	1,14	0.32	8,3
5616B1201	1	12	19	0.021	0,53	0.045	1,14	0.36	9,2



INDIVIDUALLY AND OVERALL SHIELDED PAIRS

Alpha Part No.	No. of Pairs	AWG	No. of Strands	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
				Inches	mm	Inches	mm	Inches	mm
5626B1804	4	18	7	0.021	0,53	0.050	1,34	0.51	13,0
5626B1808	8	18	7	0.021	0,53	0.070	1,78	0.70	17,8
5626B1602	2	16	7	0.021	0,53	0.050	1,34	0.47	12,0

INSTRUMENTATION CABLE

OVERALL SHIELDED MULTITRIAD

INDIVIDUALLY AND OVERALL SHIELDED MULTITRIAD

UL TYPE TC
90°C 600 VOLT

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 90°C

VOLTAGE RATING:

- 600 Volt

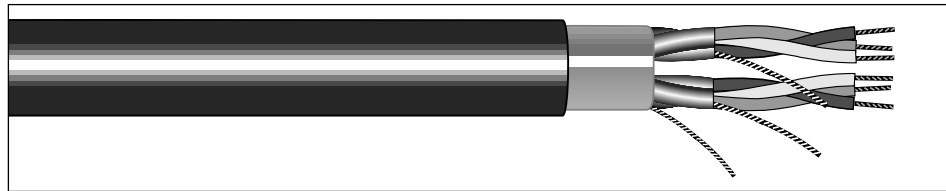
PRODUCT DESCRIPTION:

- Stranded Bare Copper Conductors
- PVC/Nylon Insulation:
Triad Construction Color Coded –
One Black, One White, One Red
White Conductor Printed with Triad
Number at One Inch Intervals
for Easy Identification
- When Shielded:
Aluminum Polyester and Tinned
Copper Drain Wire
- PVC Jacket – Black, UV Resistant



OVERALL SHIELDED TRIADS

Alpha Part No.	No. of Triads	AWG	No. of Strands	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
				Inches	mm	Inches	mm	Inches	mm
▲ 5646B1801	1	18	7	0.021	0,53	0.045	1,14	0.29	7,4
▲ 5646B1601	1	16	7	0.021	0,53	0.045	1,14	0.31	7,9
5646B1401	1	14	19	0.021	0,53	0.045	1,14	0.35	8,7



INDIVIDUALLY AND OVERALL SHIELDED TRIADS

Alpha Part No.	No. of Triads	AWG	No. of Strands	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
				Inches	mm	Inches	mm	Inches	mm
▲ 5656B1604	4	16	7	0.021	0,53	0.060	1,52	0.67	17,0
▲ 5656B1608	8	16	7	0.021	0,53	0.080	2,03	0.92	27,9

SPECIFICATIONS

- UL Type TC
- Passes UL Vertical Tray Flame Test
- Complies with NEC Article 340 (Article 725 Class 1)

UL LISTED

AVAILABILITY

- Bulk, Cut to Length
- ▲ Available in 1000 ft (305m) put-ups

324



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