

METRIC MEASUREMENT VERSION

# 9505 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information please call

1-800-Belden1



# **General Description:**

24 AWG stranded (7x32) TC conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain Wire, PVC jacket.

Conductor AWG: # Pairs AWG Stranding Conductor Material 5 24 7x32 TC - Tinned Copper Total Number of Conductors: 10 Insulation Material: Insulation Material: Insulation Material: Insulation Material: Outer Shield Material: Outer Shield Material: Outer Shield Material: Outer Shield Drain Wire AWG: AWG Stranding Drain Wire Conductor Material 24 7x32 TC - Tinned Copper Outer Shield Aterial: Outer Jacket Outer Jacket Material: Outer Jacket Mate	hysical Characteris	stics (Overall)
# Pairs AWG Stranding Conductor Material   5 24   7x32 TC - Tinned Copper   Insulation   Insulation Material:   Insulation Material:   S-R.PVC - Semi-Rigid Polyvinyl Chlorde   0.279   Outer Shield Material:   Outer Shield Material:   Outer Shield Material:   Outer Shield Material:   Outer Shield Trade Name Type Outer Shield Material   Outer Shield Trade Name Type Outer Shield Material   Outer Shield Trade Name Type Outer Shield Material   Outer Shield Drain Wire AWG:   AWG Stranding Drain Wire Conductor Material   24   7x32   TC - Tinned Copper    Outer Jacket Material:		
5         24         7x32         TC - Tinned Copper           Total Number of Conductors:         10             Insulation         Insulation Material:             Insulation Material:         Insulation Material:             S.R. PVC - Semi-Rigid Polyvinyl Chloride         0.279   Duter Shield Material:           Outer Shield Material:         Coverage (%)   Duter Shield Trade Name Type Outer Shield Material           Outer Shield Drain Wire AWG:         AWG Stranding Drain Wire Conductor Material   24 7x32 TC - Tinned Copper  Outer Jacket Material:           Outer Jacket Material:         Outer Shield Strate   PVC - Polyvinyl Chloride           0.813         Outer Jacket Material:   PvC - Polyvinyl Chloride           0.813         Outer Jacket Material:   Pur Color Code Chart:           Number Color         7.341 mm   Pair Color Code Chart:           Number Color         1           1         Black & Oreen           3         Black & Stellow   Black & Stellow           3         Black & Stellow   Contex Stellow Stellow           0         Duter Jacket Material:   Duter Jacket Material:           0         Duter Stellow   Duter Stellow           0         Duter Stellow		
Total Number of Conductors:       10         Insulation Material:       Insulation Material:         Insulation Material:       Insulation Material:         Outer Shield Material:       Outer Shield Material:         Outer Shield Material:       Image: Coverage (%)         Beldfoll®       Tape / Aluminum Foil-Polyester Tape / 100         Outer Shield Orain Wire AWG:       Image: Coverage (%)         AWG Stranding Drain Wire Conductor Material       Image: Coverage (%)         Outer Shield Orain Wire Conductor Material       Image: Coverage (%)         Outer Jacket Material:       Image: Coverage (%)         Overall Coble       Image: Coverage (%)         Overall Color Code Chart:       Tot Finder Coverage (%)         Pair Color Code Chart:       Image: Coverage (%)         Image: Solution Solut		
Insulation Material: Insulation Material: Insulation Material: Vall Thickness (mm) S-R PVC - Semi-Rigid Polyvinyl Chloride Outer Shield Material: Outer Shield Material: Outer Shield Drain Wire AWG: AWG Stranding Drain Wire Conductor Material 24 7 x32 TC - Timed Copper Outer Jacket Material: Outer Jacket Material: Materia	5 24 7x32	TC - Tinned Copper
Insulation Material Wall Thickness (mm)   S-R PVC - Semi-Rigid Polyvinyl Chloride [0.279   Outer Shield Material:   Outer Shield Trade Name Type Outer Shield Material   Couter Shield Trade Name Type Outer Shield Material   24   7x32   T - Tinned Copper   Outer Jacket Material:   Outer Jacket Material:   Outer Jacket Material   Outer Jacket Material:   Outer Jacket Material   Outer Jacket Material:   Outer Shield Color Code Chart:   Pair Color Code Chart:   1   1   2   Black & Red   2   3   Black & Strelion   Echanical Characteristics (Overall)	Total Number of Con	nductors: 10
S-R PVC - Semi-Rigid Polyvinyl Chloride 0.279     Outer Shield Material:     Outer Shield Trade Name Type Outer Shield Material Coverage (%)   Bedfolk® Tape Aluminum Foil-Polyester Tape   Outer Shield Drain Wire AWG:   AWG Stranding Drain Wire Conductor Material   24 7x32 TC - Tinned Copper      Outer Jacket Material:		
S-R PVC - Semi-Rigid Polyvinyl Chloride 0.279     Outer Shield Material:     Outer Shield Trade Name Type   Outer Shield Drain Wire Codoper   Outer Jacket Material:   Outer Jacket Material:   Outer Jacket Material:   Outer Jacket Material:   Outer Jacket I Color Code Chart:   Pair   Pair Color Code Chart:   Number Color   1   1   Black & Red   2   1   Black & Green   4   Black & Green   4   Black & Green   Sechanical Characteristics (Overall)	Insulation Material	Wall Thickness (mm)
Outer Shield Material:         Outer Shield Trade Name Type Outer Shield Material Coverage (%)         Beldfoil®       Tape Aluminum Foil-Polyester Tape 100         Outer Shield Drain Wire AWG:         AWG Stranding Drain Wire Conductor Material         24       7x32         TC - Tinned Copper         Outer Jacket         Outer Jacket Material:         Outer Jacket Material         Outer Jacket Material         Overall Cable         Overall Nominal Diameter:       7.341 mm         Pair         Pair Color Code Chart:         Number Color         1       Black & Red         2       Black & Red         3       Black & Stele         5       Black & Yellow	S-R PVC - Semi-Rigid P	
Outer Shield Material:         Outer Shield Trade Name Type Outer Shield Material Coverage (%)         Beldfoll®       Tape Aluminum Foil-Polyester Tape 100         Outer Shield Drain Wire AWG:         AWG Stranding Drain Wire Conductor Material         24       7x32         TC - Tinned Copper         Outer Jacket         Outer Jacket Material:         Outer Jacket Material         Outer Shield Nominal Diameter:         7.341 mm		
Outer Shield Trade Name Type Outer Shield Material       Coverage (%)         Beldfoll®       Tape Aluminum Foil-Polyester Tape       100         Outer Shield Drain Wire AWG:         AWG Stranding Drain Wire Conductor Material       24       7x32       TC - Tinned Copper         Outer Jacket       Outer Jacket Material       Nom. Wall Thickness (mm)       PVC - Polyvinyl Chloride       0.813         Overall Cable       Overall Nominal Diameter:       7.341 mm       7.341 mm         Pair Color Code Chart:       Number Color       Black & Rede       Black & Rede         3       Black & Rede       Stack & Streen       4       Black & Streen       5       Black & Streen         4       Black & Steen       5       Black & Steen       5       Black & Steen       5       Black & Steen         4       Black & Steen       5       5       Steen		
Beldfoil®       Tape       Aluminum Foil-Polyester Tape       100         Outer Shield Drain Wire AWG:         AWG Stranding Drain Wire Conductor Material         24       7x32       TC - Tinned Copper         Outer Jacket       Outer Jacket Material       Nom. Wall Thickness (mm)         PVC - Polyvinyl Chloride       0.813       PVC         Overall Cable       Overall Nominal Diameter:       7.341 mm         Pair       Pair Color Code Chart:       7.341 mm         Pair Color Code Chart:       1       Black & Red         3       Black & Green       4         4       Black & Streen       5         4       Black & Streen       5         4       Black & Streen       5         5       Black & Ytellow       5		
Outer Shield Drain Wire AWG:         AWG Stranding Drain Wire Conductor Material         24       7x32         TC - Tinned Copper         Duter Jacket         Outer Jacket Material:         Outer Jacket Material         Outer Jacket Material         Outer Jacket Material:         Outer Jacket Material         Number Color         1       Black & Red         2       Black & Green         4       Black & Blue         5       Black & Yellow		
AWG Stranding Drain Wire Conductor Material         24       7x32       TC - Tinned Copper         Duter Jacket         Outer Jacket Material:         Outer Jacket Material         Nomer Jacket Material         Nomer Jacket Material         Overall Cable         Overall Nominal Diameter:         7.341 mm         Pair         Pair Color Code Chart:         Number Color         1       Black & Red         2       Black & White         3       Black & White         3       Black & Vellow    echanical Characteristics (Overall)	Beldfoil®	Tape Aluminum Foil-Polyester Tape 100
PVC - Polyvinyl Chloride       0.813         Overall Cable       Overall Nominal Diameter:       7.341 mm         Pair       Pair Color Code Chart:       Number Color         1       Black & Red       Black & Green         2       Black & Green       Black & Blue         5       Black & Yellow       State of the sta	Outer Jacket Material:	
Overall Nominal Diameter:       7.341 mm         Pair       Pair Color Code Chart:         Number Color       1         1       Black & Red         2       Black & White         3       Black & Green         4       Black & Blue         5       Black & Yellow		
Overall Nominal Diameter:       7.341 mm         Pair       Pair Color Code Chart:         Number Color       1         1       Black & Red         2       Black & White         3       Black & Green         4       Black & Blue         5       Black & Yellow	Verall Cable	
Pair Color Code Chart:          Number Color         1       Black & Red         2       Black & White         3       Black & Green         4       Black & Blue         5       Black & Yellow		meter: 7.341 mm
Number Color         1       Black & Red         2       Black & White         3       Black & Green         4       Black & Blue         5       Black & Yellow	Pair	
1       Black & Red         2       Black & White         3       Black & Green         4       Black & Blue         5       Black & Yellow	Pair Color Code Chart	:
2       Black & White         3       Black & Green         4       Black & Blue         5       Black & Yellow	Number Color	
3       Black & Green         4       Black & Blue         5       Black & Yellow	1 Black & Red	
4     Black & Blue       5     Black & Yellow   echanical Characteristics (Overall)	2 Black & White	
5     Black & Yellow       echanical Characteristics (Overall)	3 Black & Green	
lechanical Characteristics (Overall)		
	5 Black & Yellow	
	ochanical Characte	

Operating Temperature Range:	-30°C To +80°C		
UL Temperature Rating:	80°C (UL AWM Style 2464)		
Bulk Cable Weight:	59.528 Kg/Km		
Max. Recommended Pulling Tension:	244.651 N		
Min. Bend Radius/Minor Axis:	76.200 mm		

# **Detailed Specifications & Technical Data**



## 9505 Multi-Conductor - Computer Cable for EIA RS-232 Applications

NEC/(UL) Specification:	CMG			
CEC/C(UL) Specification:	CMG			
AWM Specification:	UL Style 2464 (300 V 80°C)			
CSA Specification:	AWMTA			
EU Directive 2011/65/EU (ROHS II):	Yes			
EU CE Mark:	Yes			
EU Directive 2000/53/EC (ELV):	Yes			
EU Directive 2002/95/EC (RoHS):	Yes			
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005			
EU Directive 2002/96/EC (WEEE):	Yes			
EU Directive 2003/11/EC (BFR):	Yes			
CA Prop 65 (CJ for Wire & Cable):	Yes			
MII Order #39 (China RoHS):	Yes			
ame Test				
UL Flame Test:	UL1685 FT4 Loading			
CSA Flame Test:	FT4			
lenum/Non-Plenum				
Plenum (Y/N):	No			
Plenum Number:	89505, 82505			

75

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

98.43

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

164.05

Nominal Velocity of Propagation:

VP (%)

60

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

78.744

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

55.777

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

1.5 Amps per conductor @ 25°C



## 9505 Multi-Conductor - Computer Cable for EIA RS-232 Applications

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9505 060U1000	305 MT	19.051 KG	CHROME		5 PR #24 PVC FS PVC
9505 060U500	152 MT	9.752 KG	CHROME		5 PR #24 PVC FS PVC
9505 060100	30 MT	2.177 KG	CHROME		5 PR #24 PVC FS PVC
9505 0601000	305 MT	19.958 KG	CHROME	С	5 PR #24 PVC FS PVC
9505 060500	152 MT	10.659 KG	CHROME	С	5 PR #24 PVC FS PVC
9505 0605000	1,524 MT	102.059 KG	CHROME	С	5 PR #24 PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-25-2012

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