



# 9506

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



### 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.

### Put Ups and Colours

Item #	Putup	Ship Weight	Jacket Colour	Notes	Item Description
9506 060100	100 FT	5.100 LB	CHROME		6 PR #24 PVC FS PVC CHR
9506 0601000	1,000 FT	47.000 LB	CHROME	C	6 PR #24 PVC FS PVC CHR
9506 060500	500 FT	25.000 LB	CHROME	C	6 PR #24 PVC FS PVC CHR
9506 060U1000	1,000 FT	46.000 LB	CHROME		6 PR #24 PVC FS PVC CHR
9506 060U500	500 FT	23.500 LB	CHROME		6 PR #24 PVC FS PVC CHR

### Notes:

C = Create Reel Put-up

### Physical Characteristics (overall)

#### Conductor – AWG

# Pairs	AWG	Stranding	Conductor Material
6.000	24	7x32	TC – Tinned Copper

#### Insulation – Insulation Material

Ins Material
S-R PVC – Semi Rigid Polyvinylchloride

#### Outer Shield - Outer Shield Material

Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
Beldfold®	Tape	Aluminium Foil-Polyester Tape	100

#### Outer Shield Drawn Wire AWG

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC – Tinned Copper

#### Outer Jacket – Outer Jacket Material

Outer Jacket Material
PVC – Polyvinylchloride

**Overall Cabling – Overall Nominal Diameter:** 0.289 in.

### Pair Colour Code Chart

Number	Colour
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown

### Mechanical Characteristics (overall)

Operating Temperature Range	-30°C to +80°C
UL Temperature Range	80°C (UL AWM Style 2464)
Bulk Cable Weight	44.600 lbs/1000ft
Max. Recommended Pulling Tension	66 lbs
Min. Bend Radius (Install)/Minor Axis	3 In.

### Applicable Specifications and Agency Compliance (overall)

#### Application

NEC (UL) Specification	CMG
CEC/C (UL) Specification	CMG
AWM Specification	UL Style 2464 (300 V 80°C)
CSA Specification	AWM I A
EU CE Mark	
EU RoHS Compliant (commence date: dd/mm/yyyy)	(01/04/2005)

#### Flame Test

UL Flame Test	UL 1685 FT4 Loading
C (UL) Flame Test	FT4

#### Plenum/Non-Plenum

Plenum	82506
Plenum Number	

## **Electrical Characteristics (overall)**

### **Nom. Characteristics Impedance**

Impedance (Ohm)
75.000

### **Nom. Capacitance Conductor to Conductor**

Capacitance (pF/ft)
30.000

### **Nom. Capacitance Conductor to Other Conductor & Shield**

Capacitance (pF/ft)
50.000

### **Nominal Velocity of Propagation**

VP (%)
60

### **Nominal Conductor DC Resistance**

DCR @ 20°C (Ohm/1000 ft)
24.000

### **Nominal Outer Shield DC Resistance**

DCR @ 20°C (Ohm/1000 ft)
16.000

### **Max. Operating Voltage – UL**

Voltage
300 V RMS (UL AWM Style 2464)

### **Max. Recommended Current**

Current
1.5 Amps per conductor @ 25°C