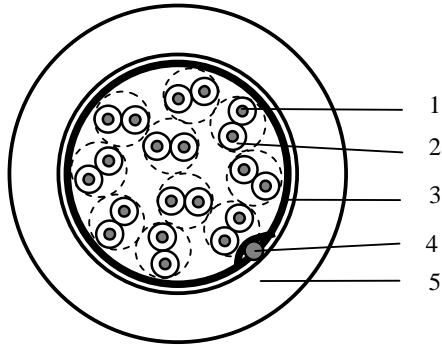
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## APPLICATION

Instrumentation and computer cable for EIA RS-232 data transmission applications.

## CONSTRUCTION



<b>1. Conductor</b>	AWG24 (7xAWG32) tinned Cu
<b>2. Insulation</b>	
Material	PVC
Diameter over insulation	1.12 ± 0.05 mm
Colour of insulation	Pair 1 (central): Black and red Pair 2 (central): Black and white Pair 3: Black and green Pair 4: Black and blue Pair 5: Black and yellow Pair 6: Black and brown Pair 7: Black and orange Pair 8: Red and white Pair 9: Red and green Pair 10: Red and blue
<b>3. Foil (Beldfoil®)</b>	
Material	Aluminium / Polyester
Thickness	9 / 23 µm
<b>4. Drainwire</b>	AWG20 (7xAWG28) tinned Cu
<b>5. Sheath</b>	
Material	PVC
Colour	Chrome 060
Minimum wall thickness	0.61 mm
Minimum average wall thickness	0.762 mm
Nominal diameter over sheath	8.90 mm

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## REQUIREMENTS AND TEST METHODS

### Electrical:

Nominal resistance conductor	78.7 $\Omega$ /km
Nominal resistance shield	54.1 $\Omega$ /km
Nominal capacitance conductor to conductor of a pair	98.4 pF/m
Nominal capacitance conductor to shield + other cond.	164.0 pF/m
Testvoltage conductor-conductor	2500 VDC, 3 seconds
Testvoltage conductor-screen	2500 VDC, 3 seconds
Voltage rating	300 V RMS
Maximum continuous current per conductor @ 25 °C	1.1 A

\*Nominal values are for information only.

### Mechanical and physical:

Flame resistance	UL FT4, CSA FT1
Applicable specification	UL type CMG, AWM 2464, CEC C(UL) CMG, AWM I/A
Temperature range processing and operating	-15 to +80 °C
Temperature range storage	-30 to +80 °C
Minimum bending radius	10 x cable diameter
Maximum pulling tension	400 N

### MARKING

Colour code 2854: chrome sheath with text 'BELDEN V 9510 CMG 10PR24 SHIELDED (UL) E108998 OR AWM 2464 OR C(UL) CMG FT4---LL7874 CSA AWM I A 80C 300V FT1'

### PACKAGING

On non-returnable reels with a length of 31 m ( $\pm$  0%) or on non-returnable reels with a length of 153 m ( $\pm$  0%) or on non-returnable reels with a length of 305 m ( $\pm$  0%).

Each reel is labelled with the following data:

Belden Logo. Belden code number. Item description. Length on the reel. Date of manufacture. CE-marking.



Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.