



8723

Multi-Conductor - Shielded Twisted Pair Cable



Description

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Put Ups and Colours

Item #	Putup	Ship Weight	Jacket Colour	Notes	Item Description
8723 060100	100 FT	3.200 LB	CHROME		2 SH PR #22 PP PVC CHR
8723 0601000	1,000 FT	19.000 LB	CHROME	C	2 SH PR #22 PP PVC CHR
8723 06010000	10,000 FT	190.000 LB	CHROME	C Y	2 SH PR #22 PP PVC CHR
8723 0601640	1,640 FT	32.800 LB	CHROME		2 SH PR #22 PP PVC CHR
8723 0602000	2,000 FT	40.000 LB	CHROME	C	2 SH PR #22 PP PVC CHR
8723 0603280	3,280 FT	62.320 LB	CHROME	C	2 SH PR #22 PP PVC CHR
8723 060500	500 FT	9.500 LB	CHROME		2 SH PR #22 PP PVC CHR
8723 060U5000	5,000 FT	90.000 LB	CHROME	C	2 SH PR #22 PP PVC CHR
8723 060U1000	1,000 FT	19.000 LB	CHROME		2 SH PR #22 PP PVC CHR
8723 060U2000	2,000 FT	36.000 LB	CHROME		2 SH PR #22 PP PVC CHR
8723 060U500	500 FT	10.000 LB	CHROME		2 SH PR #22 PP PVC CHR

Notes:

C = Create Reel Put-up

Y = Final put-up length may vary -10% to +20% from length shown may contain 2 pieces, minimum length of any one piece is 1500'.

Physical Characteristics (overall)

Conductor – AWG

# Pairs	AWG	Stranding	Conductor Material
2.000	22	7x30	TC – Tinned Copper

Insulation – Insulation Material

Ins Material
PP – Polypropylene

Inner Shield – Inner Shield Material

Inner Shield Trade Name	Type	Inner Shield Material	% Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminium Foil-Polyester Tape	100

Inner Shield Drain Wire AWG: 22

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC – Tinned Copper

Outer Shield - Outer Shield Material

Outer Shield Material
Unshielded

Outer Jacket – Outer Jacket Material

Outer Jacket Material
PVC – Polyvinylchloride

Overall Cabling – Overall Nominal Diameter: 0.160 in.

Pair Colour Code Chart

Number	Colour
1	Red & Black
2	Green & White

Pair Lay Length & Direction

Lay Length (In.)	Twists/ft. (twist/ft)
1.500	8.000

Mechanical Characteristics (overall)

Operating Temperature Range	-30°C to +60°C
UL Temperature Range	60°C
Bulk Cable Weight	18.300 lbs/1000ft
Max. Recommended Pulling Tension	50 lbs
Min. Bend Radius (Install)/Minor Axis	1.600 In.

Applicable Specifications and Agency Compliance (overall)**Application**

NEC (UL) Specification	CM
CEC/C (UL) Specification	CM
EU CE Mark	
EU RoHS Compliant (commence date: dd/mm/yyyy)	(01/04/2005)

Flame Test

UL Flame Test	UL 1685 FT4 Loading
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Plenum/Non-Plenum

Plenum	□
Plenum Number	82723, 87723, 8723

Electrical Characteristics (overall)**Nom. Characteristics Impedance**

Impedance (Ohm)	45.000
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Nom. Inductance

Inductance (µH/ft)	0.170
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Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)	35.000
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Nom. Capacitance Conductor to Other Conductor & Shield

Capacitance (pF/ft)	62.000
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Nominal Velocity of Propagation

VP (%)	66
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Nominal Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)	14.700
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Ind. Pair Nominal Shield DC Resistance @ 20°C: 15 Ohm/100 ft

Max. Operating Voltage - UL

Voltage	300 V RMS
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Max. Recommended Current

Current	2.3 Amps per conductor @ 25°C
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