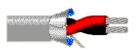
Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1883A Multi-Conductor - Single-Pair Cable



For more Information please call

1-800-Belden1



General Description:

CEC/C(UL) Specification:

24 AWG stranded (7x32) TC conductors, polypropylene insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

0 //	
Physical Characteristics (Overall)	
Conductor AWG:	
Pairs AWG Stranding Conductor Material Dia. ((mm)
1 24 7x32 TC - Tinned Copper 0.609	
Total Number of Conductors:	2
Insulation	
Insulation Material:	
Insulation Material Dia. (mm) PP - Polypropylene 1.016	
Outer Shield Outer Shield Material:	
Outer Shield Trade Name Type Outer Shield Mate	erial Coverage (%)
Beldfoil® Tape Aluminum Foil-Pol	
Outer Shield Drain Wire AWG:	
AWG Stranding Drain Wire Conductor Material	
24 7x32 TC - Tinned Copper	
Outer Jacket Outer Jacket Material:	
Outer Jacket Material PVC - Polyvinyl Chloride	
Overall Cable	
Overall Nominal Diameter:	3.073 mm
Pair	
Pair Color Code Chart:	
Number Color 1 Black & Red	
lechanical Characteristics (Overall)	
Operating Temperature Range:	-30°C To +60°C
Bulk Cable Weight:	14.882 Kg/Km
Max. Recommended Pulling Tension:	71.171 N
Min. Bend Radius/Minor Axis:	31.750 mm
Applicable Specifications and Agency C	Compliance (Overall)
Applicable Standards & Environmental Pro	
NEC/(UL) Specification:	CMR

CMG

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1883A Multi-Conductor - Single-Pair Cable

EU Directive 2011/65/EU (ROHS II):	Yes			
EU CE Mark:	No			
EU Directive 2000/53/EC (ELV):	Yes			
EU Directive 2002/95/EC (RoHS):	Yes			
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004			
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			
Flame Test				
UL Flame Test:	UL1685 UL Loading			
CSA Flame Test:	FT4			
Plenum/Non-Plenum				
Plenum (Y/N):	No			
Electrical Characteristics (Overall)				
Nom. Characteristic Impedance:				
Impedance (Ohm) 52				
Nom. Inductance: Inductance (µH/m)				
0.55777				
Nom. Capacitance Conductor to Conductor:				
Capacitance (pF/m) 101.711				
Nom. Capacitance Cond. to Other Conductor & Shield	ŀ			
Capacitance (pF/m)	•			
190.298				
Nominal Velocity of Propagation:				
VP (%) 66				
Nom. Conductor DC Resistance:				
DCR @ 20°C (Ohm/km)				
77.1035				
Nominal Outer Shield DC Resistance:				
DCR @ 20°C (Ohm/km) 60.6985				
Max. Operating Voltage - UL:				
Voltage				
300 V RMS				
Max. Recommended Current:				
Current 2 Amps per conductor @ 25°C				
Notes (Overall)				
Notes: The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield. For cross-connect use with 1408R (et. al.) Snake Cables.				

Put Ups and Colors:						
Item #	Putup	Ship Weight	Color	Notes	Item Desc	

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1883A Multi-Conductor - Single-Pair Cable

1883A N3UU1000	305 MT	5.443 KG	GREEN, MIL	2 #24 PP FS FRPVC
1883A N3U1000	305 MT	4.990 KG	GREEN, MIL	2 #24 PP FS FRPVC
1883A 001U1000	305 MT	5.443 KG	BROWN	2 #24 PP FS FRPVC
1883A 0011000	305 MT	4.990 KG	BROWN	2 #24 PP FS FRPVC
1883A 002U1000	305 MT	5.443 KG	RED	2 #24 PP FS FRPVC
1883A 006U1000	305 MT	5.443 KG	BLUE, LIGHT	2 #24 PP FS FRPVC
1883A 0061000	305 MT	4.990 KG	BLUE, LIGHT	2 #24 PP FS FRPVC
1883A 007U1000	305 MT	5.443 KG	VIOLET	2 #24 PP FS FRPVC
1883A 0071000	305 MT	4.990 KG	VIOLET	2 #24 PP FS FRPVC
1883A 008U1000	305 MT	5.443 KG	GRAY	2 #24 PP FS FRPVC
1883A 0081000	305 MT	4.990 KG	GRAY	2 #24 PP FS FRPVC
1883A 009U1000	305 MT	5.443 KG	WHITE	2 #24 PP FS FRPVC
1883A 0091000	305 MT	4.990 KG	WHITE	2 #24 PP FS FRPVC
1883A 010U1000	305 MT	5.443 KG	BLACK	2 #24 PP FS FRPVC
1883A 0101000	305 MT	4.990 KG	BLACK	2 #24 PP FS FRPVC

Revision Number: 2 Revision Date: 08-28-2012

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