

83504 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, conductors cabled, plenum, FEP insulation, overall Beldfoil® (100% coverage), TC braid shield (85% coverage), FEP jacket.

Physical Characteristics (Overall)	
Physical Characteristics (Overall) Conductor	
AWG:	
# Conductors AWG Stranding Conductor Material	
4 24 7x32 TC - Tinned Copper	
Total Number of Conductors:	4
Insulation	
Insulation Material:	
Insulation Material Wall Thickness (mm) FEP - Fluorinated Ethylene Propylene 0.1524	
Outer Shield Outer Shield Material:	
Layer # Outer Shield Trade Name Type Outer Shield Material	Coverage (%)
1 Beldfoil® Tape Aluminum Foil-Polyeste	
2 Braid TC - Tinned Copper	85
Outer Jacket Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (mm	
FEP - Fluorinated Ethylene Propylene 0.3556	
Overall Cable	-
Overall Cabling Lay Length & Direction:	
Length (mm) 50.7998	
Overall Cabling Color Code Chart:	
Number Color	
1 Black	
2 White 3 Red	
4 Green	
	0.050
Overall Nominal Diameter:	3.658 mm
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-70°C To +200°C
Bulk Cable Weight:	29.764 Kg/Km
Max. Recommended Pulling Tension:	106.757 N
Min. Bend Radius/Minor Axis:	38.100 mm
Applicable Specifications and Agency Compliance (Overall)
Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	СМР
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

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

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Yes
Yes
Yes
Yes
NFPA 262
FT6
Yes

Electrical Characteristics (Overall)

=16	ectrical Cr	iaracie	eri	sucs (Ove	ran)	
Nc	om. Capacita	nce Con	duc	tor to C	ondı	ictor:		
	Capacitance	e (pF/m)						
	65.62							
No	om. Capacita	nce Con	d.t	o Other	Cond	ducto	r & Sh	ield:
	Capacitance	e (pF/m)						
	118.116							
Nc	om. Conducto	or DC Re	sis	tance:				
	DCR @ 20°C	; (Ohm/k	m)					
	78.744							
Nc	minal Outer	Shield D	C F	Resistan	ce:			
	DCR @ 20°C	; (Ohm/k	m)					
	21.9827							
Ma	ax. Operating	Voltage	- U	JL:				
	Voltage							
	300 V RMS							
Ma	ax. Recomme	nded Cu	irre	ent:				
	Current							
	1.6 Amps pe	r conduct	tor	@ 25°C				

Notes (Overall)

Notes: Plenum Cables, except for Flamarrest® jacket, are suitable for Outdoor and Direct Burial application.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83504 002100	100 FT	3.500 LB	RED	С	4#24 FEP SH FEP
83504 0021000	1,000 FT	22.000 LB	RED	С	4#24 FEP SH FEP
83504 002500	500 FT	11.500 LB	RED	С	4#24 FEP SH FEP

Notes:

C = CRATE REEL PUT-UP.

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