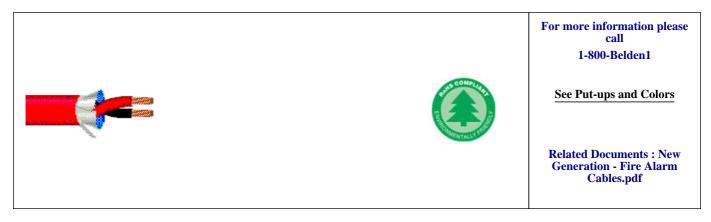


5100FM Non-Paired - Commercial Applications, Addressable Systems - 2 Cond Cabled



Description:

14 AWG solid bare copper conductors, ceramifiable silicone insulation, Beldfoil® shield, FRPE (low smoke non-halogen) jacket, sequential footage marking every two feet.

SUITABLE APPLICATIONS:

Suitable Applications	Survivability, Survivability from Attach by Fire, Fire Alarm Circuit Integrity, CI, Survivability by NFPA72, Sim to MI, Similar to Mineral Insulated, FPLR-CI,
	Emergency Circuits, Notification Devises, Fire Pumps, 2 hour fire rating

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	2	
Total Number of Conductors	2	
AWG	14	
Stranding	7x22	
Conductor Material	BC - Bare Copper	

INSULATION:

Insulation Material	Silicone Rubber
Nom. Insulation Wall Thickness	.034 in.

OVERALL CABLING:

Overall Cabling Lay Length	4.25 in.
Overall Cabling Twists/ft.	2.75

Overall Cabling Color Code Chart:

Number	Color	Number	Color
1	Black	2	Red

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Polyester Tape-Aluminum Foil



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Outer Shield %Coverage	100 %
Outer Shield Drain Wire AWG	16
Outer Shield Drain Wire Stranding	7x24
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	FRPE - Flame Retardant Polyethylene
Outer Jacket Nominal Wall Thickness	.045 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .384 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +105°C
UL Temperature Rating	105°C
Bulk Cable Weight	84 lbs/1000 ft.
Max. Recommended Pulling Tension	109.2 lbs.
Min. Bend Radius (Install)	3.8 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	FPLR-CI
NEC Articles	760
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2005

FLAME TEST:

UL Flame Test	UL1666 Riser, UL2196 Two Hour Circuit Integrity
IEC Flame Test	603331

PLENUM/NON-PLENUM:

Plenum (Y/N) N

ELECTRICAL CHARACTERISTICS:

Nom. Conductor DC Resistance @ 20 Deg. C 2.6 Ohms/1000 ft Nominal Outer Shield DC Resistance @ 20 Deg. C 4 Ohms/1000 ft	Nom. Capacitance Conductor to Conductor @ 1 KHz	33 pF/ft
	•	
Nominal Outer Shield DC Resistance @ 20 Deg. C 4 Onms/1000 ft	č	
Max. Operating Voltage - UL 300 V RMS	Č	

PUT-UPS AND COLORS:

T.	5	D . TT . (0)	G1. TT. 1. (31.)	T 1 (G)	N7 /
ltem	Description	Put-IIn (ft)	Shin Weight (lhs)	Llacket Color	Notes

Detailed Specifications & Technical Data



5100FM Non-Paired - Commercial Applications, Addressable Systems - 2 Cond Cabled

5100FM 0021000	FS PR #14 SIL	1000	93	RED	С
	FRNHPO				

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-14-2006

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.