

85241 Multi-Conductor - Control and Instrumentation Cable



For more Information
 please call
 1-800-Belden1



Description

16 AWG stranded (19x29) TC conductors, conductors cabled, Tefzel® insulation, drain wire, overall Beldfoil® Aluminum-Kapton® shield (100% coverage), Tefzel® jacket.

Physical Characteristics (Overall):

Conductor:

AWG

# Conductors	AWG	Stranding	Conductor Material
3	16	19x29	TC - Tinned Copper

Insulation:

Insulation Material

Ins Trade Name	Ins Material	Wall Thickness (in.)
Tefzel®	ETFE - Ethylene Tetrafluoroethylene	0.014

Outer Shield:

Outer Shield Material

Type	Outer Shield Material	% Coverage (%)
Tape	Aluminum-Kapton® Foil	100

Outer Shield Drain Wire AWG

AWG	Stranding	Drain Wire Conductor Material
18	Stranded	TC - Tinned Copper

Outer Jacket:

Outer Jacket Material

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Tefzel®	ETFE - Ethylene Tetrafluoroethylene	0.020

Overall Cabling:

Overall Cabling Lay Length & Direction

Length (in.)	Twists/ft.
2.000	6

Overall Cabling Color Code Chart

Number	Color
1	Black
2	Red
3	Green

Overall Nominal Diameter: .223 in.

Mechanical Characteristics (Overall):

Operating Temperature Range	-60°C To +150°C
Non-UL Temperature Rating	150°C
Bulk Cable Weight:	45.400 lbs/1000 ft.
Max. Recommended Pulling Tension:	90 lbs.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

EU CE Mark (Y/N) Yes

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EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	04/01/2005

Flame Test:

UL Flame Test	VW-1
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Plenum/Non-Plenum:

Plenum (Y/N)	N
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Electrical Characteristics (Overall):

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
34.000

Nom. Capacitance Cond. to Other Conductor & Shield

Capacitance (pF/ft)
61.200

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
4.270

Max. Operating Voltage - UL

Voltage
300 V RMS

Max. Recommended Current

Current
7 Amps per conductor @ 25°C

Notes (Overall):

Notes Tefzel and Kapton are DuPont trademarks.

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
85241 3681000	1,000 FT	49.000 LB	CLEAR, TRANSPARENT	C	3#16 TEFZEL FS TEFZEL CLRTSP
85241 368500	500 FT	22.500 LB	CLEAR, TRANSPARENT	C	3#16 TEFZEL FS TEFZEL CLRTSP

Notes:

C = CRATE REEL PUT-UP.

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