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1-800-Belden1



General Description:

10 AWG multi-conductor stranded (7x18) bare copper conductors, PVC/Nylon insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	10	7x18	BC - Bare Copper

Total Number of Conductors: 3

Ground Wire

Ground Wire (Y/N): N

Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.047

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue

Overall Nominal Diameter: 0.450 in.

Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 444 lbs/1000 ft.

Max. Recommended Pulling Tension: 468 lbs.

Min. Bend Radius/Minor Axis: 4.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: TC, THHN/THWN Singles

EU Directive 2011/65/EU (ROHS II): 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

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MIL Order #39 (China RoHS): Yes

27139A Multi-Conductor - 600V Type TC Cable

Other Specification: ICEA S-73-532, S-95-658, S-61-402

Flame Test

UL Flame Test: UL1685 UL Loading

C(UL) Flame Test: FT4

Suitability

Suitability - Burial: Yes

Sunlight Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

37

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.07

Max. Operating Voltage - UL:

Voltage

600 V RMS

Max. Recommended Current:

Current

40 Amps per conductor @ 25°C

Notes (Overall)

Notes: Nominal Loop Inductance: .167 µH/ft

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
27139A 0101000	1,000 FT	162.000 LB	BLACK	C	3#10 PVC/NYLON PVC CABLE
27139A 01010000	10,000 FT	1,740.000 LB	BLACK	C	CALL CSR - INDUSTRIAL

Notes:

C = CRATE REEL PUT-UP.

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