

27080A Multi-Conductor - 600V Type TC Cable



For more Information
please call

1-800-Belden1



General Description:

14 AWG multi-conductor stranded (7x22) bare copper conductors, PVC/Nylon insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	14	7x22	BC - Bare Copper

Total Number of Conductors: 2

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

Overall Nominal Diameter: 0.210 x 0.326 in.

Mechanical Characteristics (Overall)

Wet Temperature Range:	-30°C To +75°C
Dry Temperature Range:	-30°C To +90°C
UL Temperature Rating:	75°C Dry, +90°C Wet
Bulk Cable Weight:	62 lbs/1000 ft.
Max. Recommended Pulling Tension:	64 lbs.
Min. Bend Radius/Minor Axis:	2.200 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

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

Flame Test

UL Flame Test: UL1685 Vertical Tray Flame Test

CSA Flame Test: FT4

IEEE Flame Test: 1202

Suitability

Suitability - Burial: Yes

Sunlight Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.520

Max. Operating Voltage - UL:

Voltage	Description
150 V RMS	NPLF
600 V RMS	TC

Max. Recommended Current:

Current

25 Amps per conductor at 30C

Notes (Overall)

Notes: Parallel (untwisted) construction

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
27080A 0101000	1,000 FT	61.000 LB	BLACK		2 #14 PVC/NYL PVC PARA
27080A 01010000	10,000 FT	640.000 LB	BLACK	C Z	2 #14 PVC/NYL PVC PARA
27080A 0105000	5,000 FT	300.000 LB	BLACK	C Z	2 #14 PVC/NYL PVC PARA

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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