Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



27082A Multi-Conductor - 600V Type TC Cable

For more Information please call

1-800-Belden1



Description:

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

Physical Characteristics (Overall)

Conductor

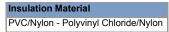
AWG:

# Conductors	AWG	Stranding	Conductor Material
4	14	7x22	BC - Bare Copper

Total Number of Conductors: 4

Insulation

Insulation Material:



Outer Shield

Outer Shield Material:

Outer Shield	Material
Unshielded	

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.143

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue
4	Orange

Overall Nominal Diameter: 9.271 mm

Mechanical Characteristics (Overall)

Wet Temperature Range:	-30°C To +75°C
Dry Temperature Range:	-30°C To +90°C
Bulk Cable Weight:	147.332 Kg/Km
Max. Recommended Pulling Tension:	969.708 N
Min. Bend Radius/Minor Axis:	93.980 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	TC, NPLF		
EU CE Mark:	Yes		
EU Directive 2000/53/EC (ELV):	Yes		

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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		
MII Order #39 (China RoHS):	Yes		
Other Specification:	ICEA S-73-532, S-5-658, S-61-402		
Flame Test			
UL Flame Test:	UL1685 UL Loading		
C(UL) Flame Test:	FT4		
IEEE Flame Test:	1202		
ICEA Flame Test:	T-29-520		
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/km) 8.5306

Max. Operating Voltage - UL:

Voltage	Description		
150 V RMS	NPLF		
600 V RMS	TC		

Max. Recommended Current:

Current
12 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
27082A 0101000	305 MT	49.895 KG	BLACK	С	4 #14 PVC/NYL PVC
27082A 01010000	3,048 MT	498.954 KG	BLACK	С	4 #14 PVC/NYL PVC
27082A 0105000	1,524 MT	249.477 KG	BLACK	CZ	4 #14 PVC/NYL PVC

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.

Revision Number: 2 Revision Date: 09-02-2009

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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.

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