Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



27082AS 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, overall Beldfoil® shield (100% coverage) with drain wire, 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: PVC/Nylon - Polyvinyl Chloride/Nylon

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)	
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100	

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
14	7x22	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.048

Overall Cable

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Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue
4	Orange

Overall Nominal Diameter:

0.377 in.

Med	lechanical Characteristics (Overall)				
	Wet Temperature Range:	-30°C To +75°C			
	Dry Temperature Range:	-30°C To +90°C			
	Bulk Cable Weight:	105 lbs/1000 ft.			
	Max. Recommended Pulling Tension:	273 lbs.			
	Min. Bend Radius/Minor Axis:	3.800 in.			
	Min. Bend Radius/Minor Axis:	3.800 in.			

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Env	/ironmental Programs
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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		

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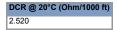


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EU Directive 2003/11/EC (BFR):	Yes		
CA Prop 65 (CJ for Wire & Cable):	Yes		
MII Order #39 (China RoHS):	Yes		
Other Specification:	ICEA S-73-532, S-95-658, S-61-402		
Flame Test			
UL Flame Test:	UL1685 UL Loading		
C(UL) Flame Test:	FT4		
IEEE Flame Test:	1202		
Suitability			
Suitability - Indoor:	Yes		
Suitability - Outdoor:	Yes		
Suitability - Burial:	Yes		
Sunlight Resistance:	Yes		
Plenum/Non-Plenum			
Plenum (Y/N):	No		

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:



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
27082AS 0105000	5,000 FT	610.000 LB	BLACK	CZ	4 #14 PVC/NYL FS PVC
27082AS01010000	10,000 FT	1,220.000 LB	BLACK	CZ	4 #14 PVC/NYL FS 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: 11-16-2012

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product.
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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