Detailed Specifications & Technical Data





73807W Multi-Conductor - 600V Unshielded, Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles



For more Information please call

1-800-Belden1

General Description:

18 AWG stranded (16x30) bare copper conductors, PVC insulation, oil-resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
6	18	16x30	BC - Bare Copper

Total Number of Conductors: 7

Ground Wire

Outla Wile	
Ground Wire (Y/N):	Υ
Ground Wire AWG:	18
Ground Wire Stranding:	16x30
Ground Wire Conductor Material:	BC - Bare Copper
Ground Wire Insulation Material:	PVC - Polyvinyl Chloride

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)		
PVC - Polyvinyl Chloride	0.559		

Insulation Color Code Chart:

Color	Description		
Black	Individually Numbered		
Yellow/Green	Ground		

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)		
PVC - Polyvinyl Chloride	0.889		

Overall Cable

Overall Nominal Diameter: 8.915 mm

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +90°C		
Installation Temperature Range:	Flexing: -5°C To +90°C		
Bulk Cable Weight:	250.018 Kg/Km		
Max. Recommended Pulling Tension:	391.442 N		
Min. Bend Radius/Minor Axis:	45.720 mm		
Min. Bend/Installation:	45.720 mm		
Min. Bend Radius (Continuous Flexing):	45.720 mm		
Flex Cycle Rating:	1 Million Flexes		

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

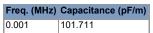
AWM Specification:	UL Style 2587 (600 V 90°C)			
CSA Specification:	600 V AWM I/II A/B			
EU Directive 2011/65/EU (ROHS II):	Yes			
MII Order #39 (China RoHS):	Yes			
Other Specification:	VDE 0472, Section 803 Oil Test, EU Low Voltage Directive 2014/35/EC, EU Directive 2011/65/EU(RoHS2), REACH Regulation (EC 1907/2006), California Proposition 65			
lame Test				
CSA Flame Test:	FT1			
uitability				
Suitability - Burial:	Yes			

Electrical Characteristics (Overall)

Nom. Inductance:



Max. Capacitance Conductor to Conductor:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 21.983

Max. Operating Voltage - UL:

Voltage 600V

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73807W 008100	100 FT	20.100 LB	GRAY		18AWG 19/30 7C UNSHIELDED
73807W 0081000	1,000 FT	173.000 LB	GRAY		18AWG 19/30 7C UNSHIELDED
73807W 008500	500 FT	88.000 LB	GRAY		18AWG 19/30 7C UNSHIELDED

Revision Number: 0 Revision Date: 09-27-2017

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