Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



73804W 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
3	18	16x30	BC - Bare Copper

Total Number of Conductors: 4

Ground Wire

ound wire		
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: 7.518 mm

Mechanical Characteristics (Overall)

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Storage Temperature Range:	-40°C To +90°C
Installation Temperature Range:	Flexing: -5°C To +90°C
Bulk Cable Weight:	157.749 Kg/Km
Max. Recommended Pulling Tension:	222.410 N
Min. Bend Radius/Minor Axis:	38.100 mm
Min. Bend/Installation:	38.100 mm
Min. Bend Radius (Continuous Flexing):	38.100 mm
Flex Cycle Rating:	1 Million Flexes

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

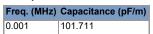
AWM Specification: UL Style 2587 (600 V 90°C) **CSA Specification:** 600 V AWM I/II A/B EU Directive 2011/65/EU (ROHS II): Yes MII Order #39 (China RoHS): Yes Other Specification: VDE 0472, Section 803 Oil Test, EU Low Voltage Directive 2014/35/EC, EU Directive 2011/65/EU(RoHS2), REACH Regulation (EC 1907/2006), California Proposition 65 Flame Test **CSA Flame Test:** FT1 Suitability 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
73804W 008100	100 FT	12.100 LB	GRAY		18AWG 19/30 4C UNSHIELDED
73804W 0081000	1,000 FT	110.000 LB	GRAY		18AWG 19/30 4C UNSHIELDED
73804W 008500	500 FT	55.500 LB	GRAY		18AWG 19/30 4C UNSHIELDED

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