Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



7438W Multi-Conductor - 600V FCC Control Cables for Moderate Flexing



For more Information please call

1-800-Belden1



Description:

14 AWG stranded (41x30) bare copper conductors, PVC-Nylon insulation, unshielded, oil- and abrasion-resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

ı	# Conductors	AWG	Stranding	Conductor Material
	6	14	41x30	BC - Bare Copper

Ground Wire

Ground Wire (Y/N):	Υ	
Ground Wire AWG:	14	
Ground Wire Stranding:	41x30	
Ground Wire Conductor Material:	BC - Bare Copper	
Ground Wire Insulation Material:	PVC/Nylon - Polyvinyl Chloride/Nylon	

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381
Nylon	0.127

Outer Shield

Outer Shield Material:

Outer Shield	Material
Unshielded	

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.194

Overall Cable

Overall Nominal Diameter: 12.370 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +90°C		
Other Temperature Range:	Flexing: -5°C To +90°C		
Bulk Cable Weight:	241.088 Kg/Km		
Max. Recommended Pulling Tension:	2086.206 N		
Min. Bend Radius (Continuous Flexing):	124.460 mm		
Flex Cycle Rating:	1 Million Flexes		

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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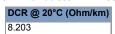


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NEC/(UL) Specification:	TC, WTTC		
CSA Specification:	AWM I/II A/B		
EU Directive 2000/53/EC (ELV):	Yes		
EU Directive 2002/95/EC (RoHS):	Yes		
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005		
EU Directive 2002/96/EC (WEEE):	Yes		
EU Directive 2003/11/EC (BFR):	Yes		
CA Prop 65 (CJ for Wire & Cable):	Yes		
MII Order #39 (China RoHS):	Yes		
Flame Test			
UL Flame Test:	UL1277, UL1685 FT4/IEEE 1202 Vertical Tray Flame Test		
C(UL) Flame Test:	FT4		
IEEE Flame Test:			
ILLL I Idille 1691.	1202		
Suitability	1202		
	1202 Yes		
Suitability			
Suitability Suitability - Burial:	Yes		
Suitability Suitability - Burial: Sunlight Resistance:	Yes Yes		
Suitability Suitability - Burial: Sunlight Resistance: Oil Resistance:	Yes Yes - Oil Res II		
Suitability Suitability - Burial: Sunlight Resistance: Oil Resistance: Non-halogenated:	Yes Yes - Oil Res II		

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:



Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7438W 0601000	305 MT	76.657 KG	CHROME	С	6 #14 + GRD PVC/NYL TPE
7438W 060250	76 MT	20.639 KG	CHROME	С	6 #14 + GRD PVC/NYL TPE

Notes:

C = CRATE REEL PUT-UP.

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