# **Detailed Specifications & Technical Data**





73603WS Multi-Conductor - 600V Shielded, Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles



For more Information please call

1-800-Belden1

## **General Description:**

16 AWG stranded (26x30) bare copper conductors, PVC insulation, oil-resistant PVC inner jacket, tinned copper braid shield, 85% coverage, oil-resistant overall PVC jacket.

#### **Physical Characteristics (Overall)** Conductor AWG: # Conductors AWG Stranding Conductor Material Dia. (mm) BC - Bare Copper **Total Number of Conductors:** 3 **Ground Wire** Ground Wire (Y/N): Ground Wire AWG: 16 **Ground Wire Stranding:** 26X30 **Ground Wire Conductor Material:** BC - Bare Copper **Ground Wire Insulation Material:** PVC - Polyvinyl Chloride Insulation Insulation Material: **Insulation Material** Wall Thickness (mm) Dia. (mm) PVC - Polyvinyl Chloride 0.559 2.642 Insulation Color Code Chart:

#### Color Description

Color	Description		
Black	Individually Numbered		
Yellow/Green	Ground		

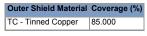
#### **Inner Jacket**

Inner Jacket Material:

Inner Jacket Material	Nom Wall (mm)	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	0.762	7.366

#### **Outer Shield**

Outer Shield Material:



Outer Shield Separator Material:

Tissue Tape, 25% Overlap, Min.

## Outer Jacket

Outer Jacket Material:

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

#### **Overall Cable**

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Overall Nominal Diameter: 9.855 mm

Med	chanical Characteristics (Overall)	
	Storage Temperature Range:	-40°C To +90°C
	Installation Temperature Range:	Flexing: -5°C To +90°C
	Operating Temperature Range:	Flexing: -5°C To +90°C
	Bulk Cable Weight:	288.711 Kg/Km
	Max. Recommended Pulling Tension:	311.374 N
	Min. Bend Radius/Minor Axis:	48.260 mm
	Min. Bend/Installation:	48.260 mm
	Min. Bend Radius (Continuous Flexing):	48.260 mm
	Flex Cycle Rating:	1 Million Flexes

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# **Detailed Specifications & Technical Data**





## 73603WS Multi-Conductor - 600V Shielded, Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles

pecifications and Agency Compliance (C	Overall)				
andards & Environmental Programs					
Specification:	THHN/THWN Singles				
ification:	UL Style 2587 (600 V 90°C)				
fication:	600 V AWM I/II A/B				
ve 2011/65/EU (ROHS II):	Yes				
dification:	AWM/STYLE 2587, AWM I/II A/B, FT1, 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				
Test:	FT1				
	andards & Environmental Programs Specification:  ification:  //e 2011/65/EU (ROHS II):  Sification:				

## **Electrical Characteristics (Overall)**

#### Nom. Inductance:

Α

Inductance (µH/m) 0.591

Nom. Capacitance Cond. to Other Cond. & Ground:

Description	Freq. (kHz)	Capacitance (pF/m)	
Nom. Cond. to Cond	1.000	167.331	
Nom. Ground.	1.000	301.852	

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 13.452

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 7.481

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73603WS 008100	100 FT	22.900 LB	GRAY		16AWG 26/30 3C SHIELDED
73603WS 0081000	1,000 FT	199.000 LB	GRAY		16AWG 26/30 3C SHIELDED
73603WS 008500	500 FT	101.500 LB	GRAY		16AWG 26/30 3C SHIELDED

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