

# Instrumentationl 6x3x1.5 mm<sup>2</sup> 600V Overall Shielded and Armored Cable BC/CL2/PVC/F/UTT/SWA/FR-PVC/600V/90C POWER & CONTROL P/N 8M3Q1S6101

## INDUSTRY

### Applications

Power, lighting and control, 90°C applications, Outdoor Plant, Underground Installations



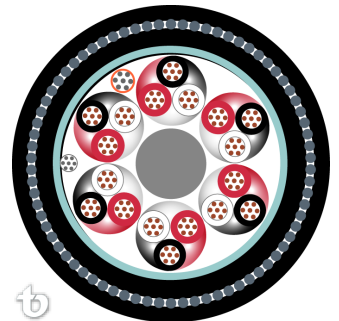
Outer Jacket Material  
UV resistant FR-PVC



Outer diameter  
30.0 mm nom.



Weight  
1585 kg/km



### General Construction

6 twisted triads are cabled together with 20 AWG Orange communication wire, overall foil shielded and covered with an inner bedding. A steel wire armor followed by an outer jacket completes the cable structure.

### Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Cross Section (mm <sup>2</sup> )	1.5
Conductor Construction	7x0.53 mm
Insulation Material	FR-PVC -55°C to 105°C rating
Insulation Thickness (mm)	0.8
Insulation O.D. (mm nom)	3.2
Pair Identification	Numbered
Conductor Color Code	Black x White x Red
Binder	Polyester
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-Wire Size (AWG)	20
Overall Drain-wire Construction	Stranded
Inner Jacket Material	UV resistant FR-PVC
Inner Jacket Thickness (mm nom)	1.8
Inner Jacket Diameter (mm nom)	23.5
Armoring	Served Galvanized Steel Wire
Armoring Wire Diameter (mm. nom.)	1.6

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Total Number Of Conductors	18
Total Number Of Conductor Units	6
Rip-Cord	Yes
Outer Jacket Thickness (mm nom)	1.5
Outer Jacket Color	Black
Marking	Per request

### Performance

Max. DC Resistance (Ω/km@20°C)	12.1
Dielectric Strength to Shield (V/minute)	1000
Dielectric Strength (V/minute)	3500
Min. Insulation Resistance (MΩ•km)	200
Voltage Rating (V)	600
Min. Bend Radius (mm)	Dx12
Min. Operating Temperature (°C)	-30
Max. Operating Temperature (°C)	+90
UV Resistance	Yes
Rodent Resistance	Yes

### Standards

Flammability Rating  
 IEC 60332-3  
 IEEE 383

Applicable Standards  
 IEC 60092-353  
 IEC 60502-1  
 IEC 60228  
 RoHS 3 2015/863/EU



### Installation Guidelines as per IEC TR 62263

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