

20x1.5 mm² 600V Shielded and Armored Instrumentation & Control Cable

INSTRUMENTATION & SIGNAL

P/N 8M3W120101

INDUSTRY

Applications

Power & Control, Process control industry, Outdoor, Direct burial



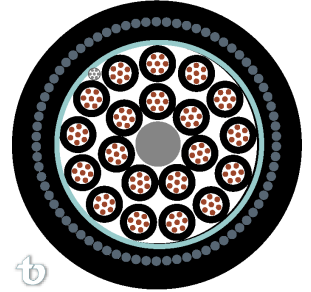
Outer Jacket Material
UV resistant FR-PVC



Outer diameter
26.5 mm nom.



Weight
1290 kg/km



General Construction

20 insulated conductors cabled, overall foil shielded and jacketed. A steel wire armor followed by an outer jacket complete the cable structure.

Design & Materials

Conductor Material	Annealed Tinned Copper
Conductor Cross Section (mm ²)	1.5
Conductor Construction	7x0.516 mm
Insulation Material	FR-PVC -55°C to 105°C rating
Insulation Thickness (mm)	0.8
Insulation O.D. (mm nom)	3.1
Pair Identification	Numbered
Conductor Color Code	Black
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-Wire Size (AWG)	16
Overall Drain-wire Construction	Stranded
Inner Jacket Material	FR-PVC
Inner Jacket Thickness (mm nom)	1.6
Inner Jacket Diameter (mm nom)	20
Armoring	Served Galvanized Steel Wire
Total Number Of Conductors	20
Rip-Cord	Yes

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Outer Jacket Thickness (mm nom)	2.2
Outer Jacket Color	Black
Marking	Per request

Performance

Max. DC Resistance (Ω/km@20°C)	12.1
Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
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
 RoHS 3 2015/863/EU



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