

1x2x16 AWG ETFE (Tefzel) Insulated FTP Instrumentation Cable with STR 150 Jacket

INSTRUMENTATION & SIGNAL

P/N 82982S1101

INDUSTRY

Applications

Process control industry, Hazardous areas, Class 1 Division 2



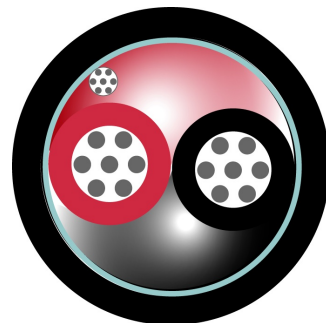
Outer Jacket Material
STR-150



Outer diameter
7.0 mm nom.



Weight
102 kg/km



General Construction

1 twisted pair overall polyester/aluminum tape shielded and jacketed with STR150.
The cable has excellent resistance to: heat, abrasion, oils and chemicals.

Design & Materials

Conductor Material	Annealed Tinned Copper
Conductor Size (AWG)	16
Conductor Construction	7x0.49 mm
Insulation Material	ETFE
Insulation Thickness (mm)	0.4
Insulation O.D. (mm nom)	2.25
Conductor Color Code	Black x White
Lay Length (mm)	60
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Foil Thickness (µm)	23
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-Wire Size (AWG)	16
Overall Drain-wire Construction	Stranded
Total Number Of Conductors	2
Total Number Of Conductor Units	1
Outer Jacket Thickness (mm nom)	1.2
Outer Jacket Color	Black

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Marking

Per request

Performance

Max. DC Resistance ($\Omega/\text{km}@20^{\circ}\text{C}$)	14.9
Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Min. Insulation Resistance ($\text{M}\Omega\cdot\text{km}$)	200
Voltage Rating (V)	300
Min. Bend Radius (mm)	40
Min. Operating Temperature ($^{\circ}\text{C}$)	-40
Max. Operating Temperature ($^{\circ}\text{C}$)	+150
UV Resistance	Yes
Fungus Resistance	Yes

Standards

Flammability Rating
IEC 60332-3
IEEE 383

Applicable Standards
RoHS 3 2015/863/EU



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