

50 X 24 SEALPIC®-FSF

Part Number: 09-100-02

Status: Available



GENERAL SPECIFICATIONS

Jacket	PE
Jacket Color	Black
Filling Compound	ETPR
End User Application	Lashed Aerial, Underground Conduit, Low risk Direct Burial
Environment	Outdoor
Water-Blocking	Gel

COPPER SPECIFICATIONS

Pair Core	"Cables larger than 25-pair are assembled into units, which are then used to assemble the core; units are identifiable using color-coded binders"
Conductor	Bare
Conductor Count	100
AWG (mm)	24 (0.51)
Insulation	Polyolefin
Voltage Rating	466

FIBER SPECIFICATIONS

Fiber Optic Shield	ALUM-C
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ELECTRICAL SPECIFICATIONS

Average Mutual Capacitance @ 1,000 Hz nF/mile (nF/km)	83 ± 4 (52 ± 2)
Capacitance Unbalance Pair to Pair @ 1 kHz Maximum Individual pF @ 1 kft (pF @ 1 km)	80 (145)
Capacitance Unbalance Pair to Pair @ 1 kHz Maximum RMS pF @ 1 kft (pF @ 1 km)	25 (45)
Capacitance Unbalance Pair to Ground @ 1 kHz Maximum Individual	800 (2,625)

ELECTRICAL SPECIFICATIONS

pF @ 1 kft (pF @ 1 km)	
Capacitance Unbalance Pair to Ground @ 1 kHz Maximum Average pF @ 1 kft (pF @ 1 km)	175 (574)
Minimum Insulation Resistance @ 68°F (20°C) gigohm-mile (gigohm-km)	1.0 (1.6)
Maximum Average Attenuation* 772 kHz @ 68°F (20°C) dB/kft (dB/km)	5.6 (18.4)
Maximum Conductor Resistance @ 68°F (20°C) Ohms/sheath mile (km)	144.0 (89.5)
DC Resistance Unbalance Maximum % Average	1.5
DC Resistance Unbalance Maximum % Individual Pair	5
Dielectric Strength DC Potential – Volts Conductor to Conductor	3000
Dielectric Strength DC Potential – Volts Conductor to Shield	10000
Minimum Near End Crosstalk (NEXT) @ 772 kHz PSWUNEXT Mean (dB)	47
Minimum Near End Crosstalk (NEXT) @ 772 kHz PSWUNEXT Worst Pair (dB)	42
Minimum Far End Crosstalk (FEXT) @ 772 kHz PSELFEXT Mean (dB/kft)	49
Minimum Far End Crosstalk (FEXT) @ 772 kHz PSELFEXT Worst Pair (dB/kft)	43

PHYSICAL CHARACTERISTICS

Package Type	Reel
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Product Description

SEALPIC®-FSF Cables are designed for low risk direct burial or duct applications where protection from moisture is required and aluminum shielding is desired. SEALPIC®-FSF may be used aerially, but must be attached to a support strand.



Technical Guideline

For extreme direct burial or lashed aerial installations, this cable is available with the +M feature. Click here to see the "Mechanical Protection (+M) for Extreme Risk Environments" for more information.