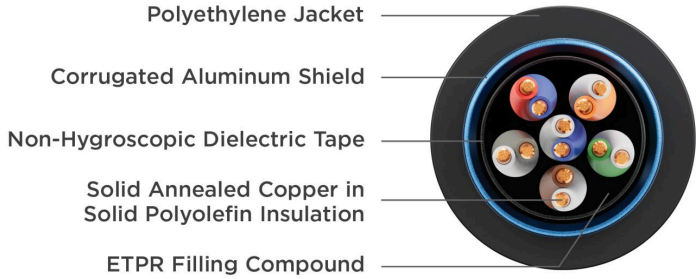
SEALPIC®–F / RDUP/RUS / PE-39 / 6 Pairs / 19 AWG / Corrugated Aluminum

04-026-21

Status: Available





MADE IN THE USA

RoHS

GENERAL SPECIFICATIONS

Jacket	PE
Jacket Color	Black
Jacket Marking	Identifying information includes a telephone handset, cable code, pair count, AWG, date of manufacture and sequential length markings at 2 foot intervals
FIlling Compound	ETPR
End User Application	Low-Risk Direct Burial
Standards Compliance	ANSI/ICEA S-84-608-2011 RDUP 7 CFR 1755.390 (PE-39) RoHS-compliant
Pair Core	Pairs are assembled into a cylindrical core
Conductor	Solid Annealed Copper
Conductor Count	12
AWG (mm)	19 (0.90)
Insulation	Solid Polyolefin
Insulation Colors	Standard USA Color Code Scheme
Twisted Pairs	Individual insulated conductors; twisted into pairs with varying lay lengths; specific color combinations provide pair identification
Core Wrap	Non-hygroscopic dielectric tape

GENERAL SPECIFICATIONS

Shield Description	Corrugated, copolymer coated, 8 mil aluminum tape applied longitudinally with an overlap; flooded shield interfaces

ELECTRICAL SPECIFICATIONS

Average Mutual Capacitance @ 1,000 Hz nF/mile (nF/km)	83 ± 7 (52 ± 4)
Capacitance Unbalance Pair to Pair @ 1 kHz Maximum Individual pF @ 1 kft (pF @ 1 km)	80 (145)
Capacitance Unbalance Pair to Ground @ 1 kHz Maximum Individual pF @ 1 kft (pF @ 1 km)	800 (2,625)
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)	2.8 (9.2)
Maximum Conductor Resistance @ 68°F (20°C) Ohms/sheath mile (km)	45.0 (28.0)
DC Resistance Unbalance Maximum % Average	1.5
DC Resistance Unbalance Maximum % Individual Pair	5
Dielectric Strength DC Potential – Volts Conductor to Conductor	7,000
Dielectric Strength DC Potential – Volts Conductor to Shield	15,000
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)	51
Minimum Far End Crosstalk (FEXT) @ 772 kHz PSELFEXT Worst Pair (dB/kft)	45

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.54 (14.0)
Nominal Weight lbs/kft (kg/km)	140 (210)
Package Length	5,000

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PHYSICAL CHARACTERISTICS

Package Type	Reel
Standard Length ft (m)	5,000 (1,524)
Approx. Shipping Weight lbs (kg)	810 (365)
Reel Size F x T x D in	44 x 18 x 20
Operating Temp. Range	-49°F to +176°F (-45°C to +80°C)
Storage/Shipping Temp. Range	-49°F to +176°F (-45°C to +80°C)
Installation Temp. Range	-22°F to +140°F (-30°C to +60°C)

Product Description

SEALPIC®-F Cables are designed for low risk direct burial or duct applications. SEALPIC®-F may be used aerially, but must be attached to a support strand. Part number 04-026-21 is a 6-pair, 19 AWG RDUP/RUS PE-39 cable with a corrugated aluminum shield and a black polyethylene jacket. Nominal diameter is 0.54 (14.0) in (mm) with an approximate weight of 140 (210) lbs/kft (kg/km). Standard length is 5,000 (1,524) ft (m) with an approximate shipping weight of 810 (365) lbs (kg).

Applications

- Low risk direct burial
- Underground conduit
- Lashed aerial

Features	Benefits
• Twisted into pairs with varying lay lengths	• Minimizes crosstalk
• Core wrap	• Provides thermal protection
• Filled core	• Moisture resistant
• Fully flooded shield interfaces	• Inhibits corrosion and water migration
• Black, polyethylene jacket	• Provides a tough, protective covering designed to withstand exposure to direct sunlight, atmospheric temperature changes and stresses expected in standard installations

Technical Guideline

Technical Guideline TG103 "Mechanical Protection (+M) for Extreme Risk Environments" describes the +M feature available on this cable for extreme direct burial or lashed aerial installations. Click here for more information.

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