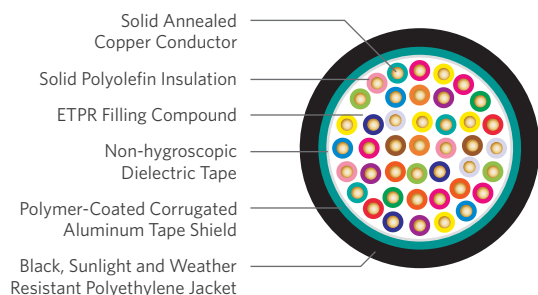


MEGAPIC™ OSP Broadband Backbone Category 5



PRODUCT DESCRIPTION

MEGAPIC™ Category 5 cables provide an extension of the LAN beyond the premises. These cables are ideal for direct burial, underground and lashed aerial applications.

APPLICATIONS

- 10BASE-T
- ATM and token ring
- MEGAPIC-NF: Higher pair count shielded distribution cable for use in lashed aerial, direct burial and duct installations
- MEGAPIC-GF: Higher pair count shielded distribution cable for use in lashed aerial, direct burial and installations in high risk areas where additional mechanical protection is required

FEATURES

- Transmission performance characterized to 100 MHz
- Metallic shield tapes
- Fully filled constructions

BENEFITS

- Extends the LAN to the entire campus
- Facilitates grounding according to NEC requirements
- Helps prevent intrusion of moisture

SPECIFICATIONS

Pair Count	Available in 25-pair and 100-pair
Conductor	Solid annealed copper
AWG (mm)	24 (0.51)
Filling Compound	80°C ETPR (extended thermoplastic rubber)
Core Wrap	Non-hygroscopic dielectric tape
Shield	MEGAPIC-NF: Electrically continuous 0.008 in (0.20 mm) polymer coated corrugated aluminum tape, applied with an overlap and shield interface is flooded MEGAPIC-GF: ASP sheath consisting of an inner electrically continuous 0.008 in (0.20 mm) polymer coated corrugated aluminum tape applied with a gap and covered with an outer electrically continuous 0.006 in (0.15 mm) polymer coated corrugated steel tape applied with an overlap; interfaces of both tapes are flooded
Jacket	Black, sunlight and weather resistant polyethylene
Characteristic Impedance (Ohms)	100 ± 15
Nominal Velocity of Propagation (%)	58
Performance Compliance	ANSI/TIA-568-C.2 ANSI/ICEA S-99-689-2006 Article 800, NEC (NFPA 70) RoHS-compliant

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Name	Pair Count	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Standard Length ft (m)	Package
04-097-31	MEGAPIC-NF	25	0.68 (17.3)	208 (310)	5,000 (1524)	Wood reel
04-104-31	MEGAPIC-NF	100	1.22 (31.0)	696 (1,037)	1,000 (305)	Wood reel
04-097-37	MEGAPIC-GF	25	0.71 (18.0)	258 (385)	5,000 (1524)	Wood reel
04-104-37	MEGAPIC-GF	100	1.26 (32.0)	801 (1,195)	1,000 (305)	Wood reel



TECHNICAL GUIDELINE

Special connectivity is required for these cable designs. Refer to the "OSP Broadband Installation Guidelines" on our site for more information: SuperiorEssex.com/TechTip.aspx