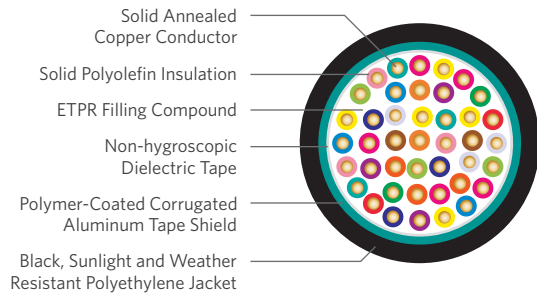


# MEGAPIC™ OSP Broadband Backbone Category 5



## 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 (%)	62
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](http://SuperiorEssex.com/TechTip.aspx)