

Amphenol

Cable

287 Series SPECTRAPLOY TACTICAL Fibre Optic Multi Core Cable 5.4mm ØD

Features

- Lightweight, Field Deployable
- Crush Resistant, High Tensile Strength
- Flexible, Good Bend Radius
- Abrasion Resistant
- Suitable for Repeated Spooling
- High Fluid & Chemical Resistant
- High Mould Growth Resistant
- Meets NBC Washdown Specifications

Packaging

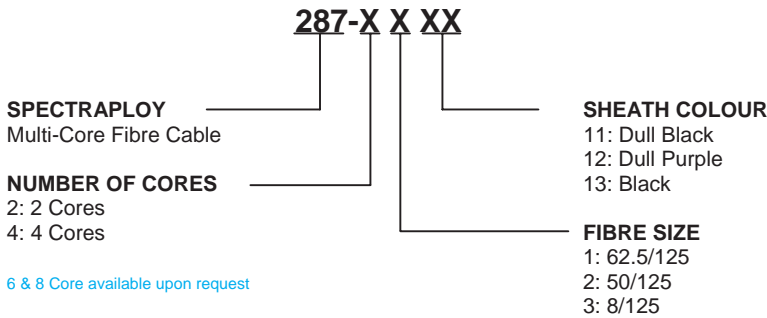
- Customer Specified
- Plastic Reels - 100 to 250 meters
- Plywood Reels - 100m to 1Km

Customer must specify length required.

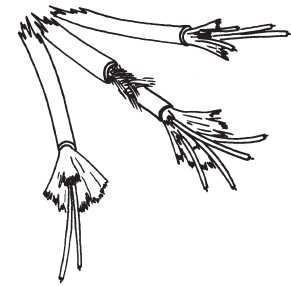
Specifications

Process	Conditions	Value/Performance	Fibre	Optical Performance				
				Typical Attenuation (dB/Km)		Minimum Bandwidth (MHz/Km)		Numeric Aperture
Cable Bend	6 Turns on a 10x Cable ØD mandrel	<0.5dB with over 200 meters spooled		850 nm	1300 nm	850 nm	1300 nm	
Tensile Strength	Def Stan 60-1 part 3 clause 15.1	<0.5dB with 2000 Newton load	62.5/125	<3.5	<1.5	<200	<500	0.275
Crush Resistance	Def Stan 60-1 part 3 clause 15.6	1000 Newton force applied to 50mm cable for 5 min. Loss to be less than 0.5dB. Cable ØD must not reduce by more than 20%. Results: <0.1dB & <5%	50/125	<3.5	<1.5	<400	<600	0.200
Sheath Tear Resistance	Def Stan 60-1 part 3 clause 15.10	Jacket sample @25°C withstands 5 Newton's load per mm of jacket thickness when pull tested.	8/125	0.045	0.3	Dispersion		
Shear Cut Through	Def Stan 60-1 part 3 clause 15.9	Jacket sample @ 70°C withstands blade loaded with 5 Newton's force per mm of jacket thickness.				3.5	18	
Cable Scrape Abrasion	Def Stan 60-1 part 1 draft clause 14.10	Jacket sample @85°C withstands 1000 strokes (500 cycles) 0.45mm needle with 5 Newton's force						
Temperature Range		-55°C to 85°C						
Cold Tested	BS 2011 part 2.1 Ab	<0.5dB @ 850nm over 72 hrs @ -46°C max.						
Dry Tested	BS 2011 part 2.1 Bb	<0.5dB @ 850nm over 72 hrs @ -46°C max.						
Weight	2/4 core 62.5/125	34Kg/Km Typical						

Part Number System:



6 & 8 Core available upon request



LTD

G127 Series CAT 5 UTP Cable

Materials

- Conductor - 24 AWG Bare Copper
- Drain Wire FTP - 24 AWG Tinned Copper
- Insulator - HD-PE
- Jacket - PVC
- Jacket Colour - Gray

Mechanical

- Jacket ØD UTP - 5.2mm ± 0.2 mm
- Jacket ØD FTP - 6mm ± 0.2 mm
- Jacket Thickness - 0.53 mm

Standard length supplied is 200 meters, however customer can choose length required. Order information must state length required separately.

Environment

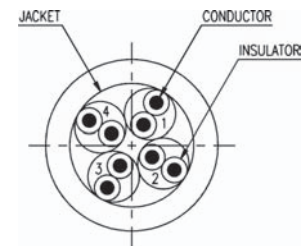
- Temperature - 75°C

Electrical

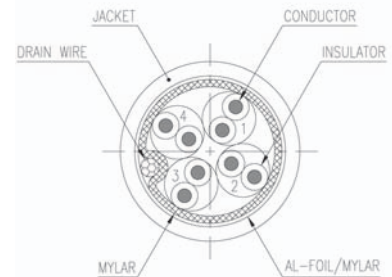
- Spark Test - 2000VAC/0.15 sec min
- Dielectric Strength - 750VAC/1 sec min
- Capacitance - 56nF/Km max (mutual)

Resistance

- DC At 20°C max - 93.8Ω/Km
- DC Unbalanced - 5% max
- Insulation - 1500MΩ/100M @ 20°C
- Impedance - 100Ω ± 15% 1-100MHz



UTP Cable



FTP Cable

Part Number:	Description	Twisted Pair Colour Code
G127 CAT5 008	Cat.5 Unshielded Twisted Pair Solid 24 AWG Cable	1 – Brown & Brown/White 2 – Orange & Orange/White 3 – Blue & Blue/White 4 – Green & Green/White
G127 CAT5 008A	Cat.5 Unshielded Twisted Pair Stranded 24 AWG Cable	
G127 CAT5 008E	Cat.5 Foil-shielded Twisted Pair Stranded 24 AWG Cable	
G127 CAT6 008	Cat.6 Unshielded Twisted Pair Solid 24 AWG PVC Cable	
G127 CAT6 008A	Cat.6 Unshielded Twisted Pair Stranded 24 AWG PVC Cable	

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