

Amphenol

Fibre Optic Multicore Cables



Amphenol manufacture a wide range of specialist cables. These cables are designed to meet the growing demands of industries covering a wide range of environments ranging from tactical deployable cable to mining, geophysical, mass transit and many others.

Specific designs covering Simplex, Duplex, Quad, Multiway and Hybrid arrangements are available as standard. Please consult the factory for further information.

- Crush resistant, high tensile strength.
- Flexible with good bend radius characteristics.
- Abrasion resistant.
- High fluid and chemical resistance.
- High mould growth resistance.

Amphenol

Typical cable specification and guidelines for the Amphenol Tactical Cable

Cable Specification			
General			
Standard colour	Black		
Material	Spectra-ploy		
Minimum bend radius: Longterm	10 x outer diameter		
Minimum bend radius: Installation	20 x outer diameter		
Storage temperature	-55°C to +85°C		
Installation temperature	-55°C to +85°C		
Operational temperature	-55°C to +85°C		
Cable bend	Six turns on a 10X Cable O/D Mandrel		
Tensile strength	Def Stan 60-1 Part 3 Clause 15.1		
Sheath tear resistance	Def Stan 60-1 Part 3 Clause 15.1		
Cable scrape abrasion	Def Stan 60-1 Part 1 Clause 1410		
Cold test	BS 2011 Part 2.1 Ab		
Dry test	BS 2011 Part 2.1 Bb		
Cable Diameter (nominal)			
2 Core	5.5mm		
4 Core	5.5mm		
6 Core	6.0mm		
8 Core	6.5mm		
Cable Weight (nominal) Kg/Km			
2 Core	34		
4 Core	34		
6 Core	36		
8 Core	38		
Fibre Specification			
	Singlemode	Multimode	Multimode
Core/cladding	9/125 8/125	50/125	62.5/125
Buffer Diameter			
Primary	500um	500um	500um
Secondary	900um	900um	900um
Attenuation (Typical)			
@1300nm	.38	.9	.9
@1550nm	.25	/	/
Numerical aperture	/	.20	.275
Proof test level	/ (/100 K psi)	/ (/100 K psi)	/ (/100 K psi)

Please note we would encourage customers to consult the factory to discuss the options available

For further information on cables, connectors and assemblies please consult your local office.
Product specifications and performance characteristics are typical only, and subject to change.

Notice: Products are sold subject to Amphenol's conditions of sale ("the standard conditions"). All specifications and statements contained herein are believed to be correct at the time of printing, but no representation or warranty, express or implied, is given as to any specification or statement contained herein. Product specifications including performance characteristics are typical only and subject to deviation. Specifications are also subject to change without notice. Users should not assume that all safety measures are indicated or that other measures may not be required. No representation or warranty, express or implied, is given that any use of products (including any stated or suggested use) does not infringe any patent, registered design or other third party rights and no stated or suggested use of products can be taken to recommend any such infringement.