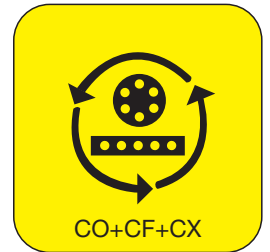
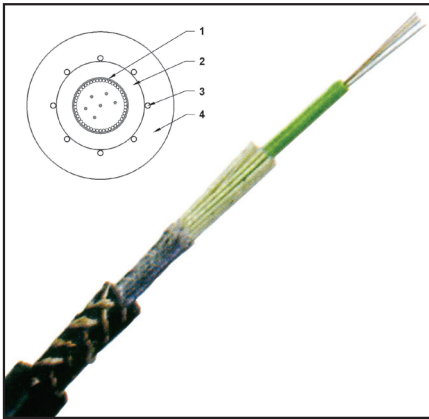


SPECIAL DESIGN CAPABILITIES 2

TO ALL RECOGNISED INTERNATIONAL SPECIFICATIONS



COMMUNICATION CABLES



“FIBREFLEX” flexible cable incorporating optical fibre elements (OFE)

DESIGN:

Fibre types : 50/125µm - multimode
 62,5/125µm - multimode
 E9/125µm - single mode

Units : up to 24 fibres, plain or mixed

Temp. range : fixed -40°C to +90°C
 : mobile -25°C to +60°C

Tensile stress : mobile 1000n for 6 OFE

Bending radius : fixed > 60 mm
 : mobile > 125 mm
 deflection > 200 mm

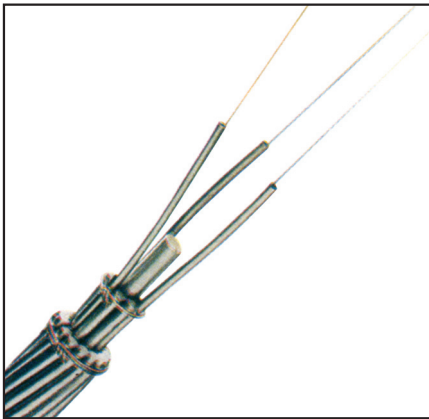
Specifications : VDE where applicable

Applications:

Fibreflex cables are designed to suit special operating conditions as occur on Festoon Systems for Container cranes, mobile conveyors, open pit movable conveyors, stackers / reclaimers etc. Suitable for very high mechanical stresses.

- | |
|--|
| 1. multifibre buffer, glass yarn braid |
| 2. inner bedding |
| 3. high tensile strength braid |
| 4. high tear resistance sheath |

Note: data related to Band width and attenuation on request



SELF SUPPORTING AERIAL OPTICAL FIBRE CABLES

DESIGN:

No. of fibres : 1-24 per buffer

Type of fibres : multi and single mode

Wavelength : 850 nm 1310 nm 1550 nm

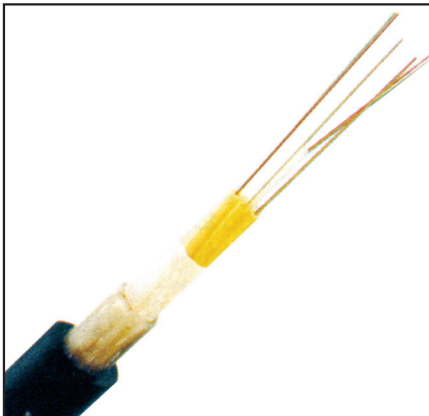
Attenuation : 2,5-3,5 0,36-0,47 0,21-0,3 dB/km

Dispersion : 0 3,5-5 " 19 ps (nm . km)

Specification : CCITT Recommendation G.652 and IEC 793

Aerial optical fibre cable options:

- All dielectric self supporting (ADSS), short and long span
- Armoured aerial optical ground wire (OPGW)
- Stainless steel tube buffered optical ground wire (OPGW)



OPTICAL FIBRE DUCT OUTDOOR CABLES

DESIGN:

No. of fibres : 1-100

No. of buffers : 1- 10

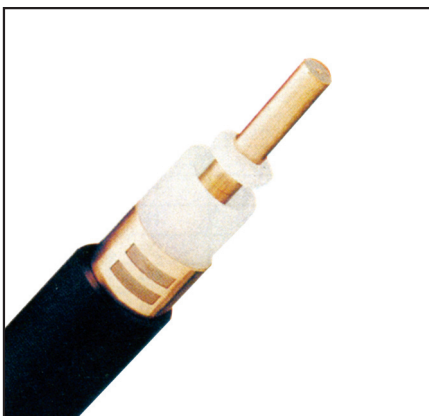
Type of fibres : Single or multi mode

Wavelength : 850 – 1300 – 1550

Delivery Length : 1000 – 2000 m

Also within range of supply:

- Tight buffer cable
- Loose buffer cable
- Multi fibre buffer
- Fan out cable
- Powermite indoor cable
- Armoured cables
- Pig-tails
- Accessories



RADIATING CABLES (LEAKY CABLES)

DESIGN:

Due to the periodical aperture configuration in leaky cables they operate like a series of antennae and generate a radiation field in the surroundings which allow communication between mobile subscribers and stations with fixed locations in wave inaccessible areas i.e. tunnels, mines or locations which form a Faraday cage.

Characteristics:

- Low coupling attenuation values
 - Low line attenuation
 - Can be operated in all radio bands

4 m – band	70 – 110 MHz
2 m – band	140 – 180 MHz
*7 m – band	400 – 470 MHz
- *Additional for mobile radio network (GSM standard)

Above sizes may require minimum quantities
 All quoted data is approximate and not binding

Please let us handle your special requirements.