



STEEL ARMoured LOOSE TUBE CABLE

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Steel Armoured Loose Tube Cable

The 700L series heavy duty loose tube cables are designed for direct burial and outdoor conduit installations.

The colour coded gel-filled buffer tubes, containing the optical fibres are cabled around a central strength member.

The outer polyethylene cable jacket bonds to a polymer coating on the steel armoring, enhancing the protection given to the cable against rodents and a variety of other hazards. This cable can be supplied with a Low Smoke Zero Halogen outer jacket.

Product Highlights

- RoHS compliant
- Rugged corrugated steel armour
- Provides extra crush-resistance and rodent protection
- UV resistant jacket
- Loose tube construction
- Gel filled loose tube provides protection against water penetration
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices
- Suitable for lashed aerial, duct, underground conduit and direct burial

Fibres Per Tube	Fibre Count	Cable OD
		mm
2	24	19
4	48	19
6	48	15.6
12	12	13.1
12	24	13.1
12	48	13.1
12	144	19.5

Fibres Per Tube	Fibre Count	Maximum Tensile Load
		Newtons
2	24	2700
4	48	2700
6	48	2700
12	12	2700
12	24	2700
12	48	2700
12	144	2700

Fibres Per Tube	Fibre Count	Cable Weight
		kg per km
2	24	339.7
4	48	341.2
6	48	219
12	12	144.5
12	24	150.5
12	48	163.9
12	144	359.1





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Custom build cables are available for heavy or industrial applications to provide extra strength and durability; dual Jacket designs or interlock steel armour.

Contact Tech Optics for more information.

Available with the following fibre sizes

- 62.5/125µm
- 50/125µm
- 50/125µm
- Singlemode
- OM1
- OM2
- OM3
- OS1

Minimum Bend radius

- 20 times cable outside diameter with no load
- 40 times cable outside diameter with full load

How to order cable:

Cable Series + Number of Fibres + Fibre Size

e.g. 700L12-24-010X is a 24 core 8.3/125µm armoured cable

Ethernet Support Distances - Multimode

	Gigabit	10 Gigabit
OM1	300m @ 850nm 550m @ 1300nm	-
OM2	600m @ 850nm 600m @ 1300nm	-
OM3	1km @ 850nm 1km @ 1300nm	300m @ 850nm

