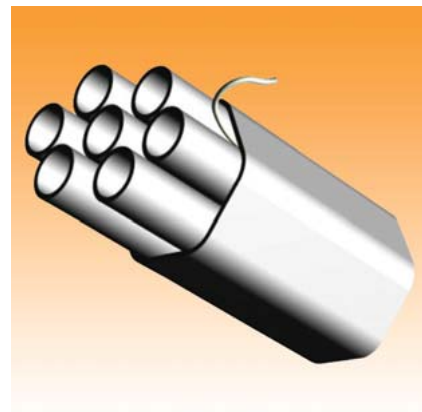


Internal Cable (LSOH)

LSOH low friction tubes of small diameter for blown fibre installations in buildings.



Features and Benefits

- > LSOH indoor version with flame retardant properties (IEC 60332 Part I & III).
- > Low smoke emissions BS 7211 (Ap.d).
- > Contains no halogens.
- > Low friction internal coating for maximum fibre blowing distance.
- > Each tube accommodates one blown fibre unit (up to 12 fibres inside).
- > Tubes are numbered for easy identification.

Reference Data Sheet ST003

Product Details

Assembly of tubes bound in a LSOH outer sheath

Assembly Type	Nominal O.D. (mm)	Ripcord Qty	Minimum Bend Radius (mm)	Maximum Tensile (N)	Nominal Weight (g/m)	Drum Lengths	
1 Way	5.0	–	50	60	15	500m D* 1000m R*	2000m R 4000m R
2 Way	7.2 x 12.2	1	150	250	80	500m D 1000m R	2000m R 4000m R
4 Way	12.2 x 14.3	1	150	400	127	500m D 1000m R	2000m R 4000m R
7 Way	17.2	1	220	600	190	500m D 1000m R	2000m R 4000m R
12 Way	22.9	2	300	950	310	500m D 1000m R	2000m R 4000m R
19 Way	27.0	2	350	1300	438	500m D 1000m R	2000m R
24 Way	32.5	2	500	1800	591	1000m R	2000m R

D* Disposable Drum R* Returnable Drum
All figures are nominal, refer to the specific Data Sheet for product detail.

Test Performance

Material Compliance

- > Flammability IEC 60332 Part 1 and Part 3
- > Low Acid Gas Emission IEC 60754-1
- > No Halogen Content
- > Temperature Index 270°C
- > Smoke to BS 7211 (Ap.d)

Tensile

Tested in accordance with IEC 60794-1-2 Method E1. There shall be no permanent deformation of the primary or assembly parts after the applied load (spec. weight kg/km)N at 20mm/minute.

Crush Performance

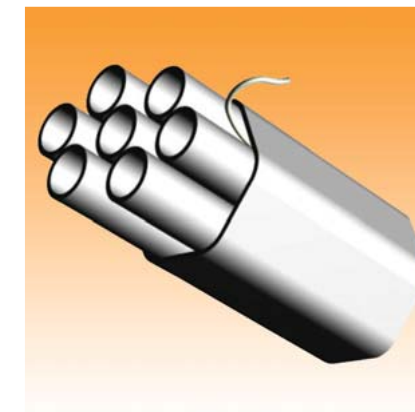
Tested in accordance with IEC 60794-1-2 Method E3. After a maintained load for 1 minute there shall be no deformation of primary tubes greater than 0.5mm.

Stress Crack Resistance

Tested in accordance with BS6469 Section 99.1 with chemical Caflon CF30.

Internal Cable (OFNR – UL Riser Rated)

Low friction tubes of small diameter for blown fibre installation in building risers as specified by NEC article 770-51(b) and 770-53(b). This cable is UL listed type OFNR.



Features and Benefits

- > Suitable for 'Riser' applications where flame propagation characteristics are required in accordance with NEC article 770-51(b) and NEC 770-53(b).
- > UL listed type OFNR.
- > Low friction internal coating for maximum fibre blowing distances.
- > Tube cable configurations available: 1, 2, 4, 7, 12, 19 & 24 way.
- > Each primary tube, 5 mm OD x 3.5 mm ID, accommodates one fibre unit (up to 12 fibres inside).
- > Solid white/cream coloured tubes.
- > Print details include batch number, meter count and individual tube number.

Reference Data Sheet ST011

Product Details

Assembly of tubes bound in a sheath of flame retardant material suitable for Riser applications.

Assembly Type	Nominal O.D. (mm)	Ripcord Qty	Minimum Bend Radius (mm)	Maximum Tensile (N)	Nominal Weight (g/m)	Reel Lengths	
1 Way	7.5	1	80	180	35	500m D* 1000m D	2000m D 4000m D
2 Way	7.0 x 12.0	1	80	360	55	500m D 1000m D	2000m D 4000m D
4 Way	12.0 x 14.5	2	125	580	93	500m D 1000m D	2000m D 4000m D
7 Way	15.7 x 17.0	2	180	860	144	500m D 1000m D	2000m D 4000m D
12 Way	20.0 x 20.3	2	220	1300	227	500m D 1000m D	2000m D 4000m D
19 Way	24.0 x 28.0	2	300	1900	338	500m D 1000m D	2000m D
24 Way	31.0 x 33.0	2	340	2500	462	500m D	2000m D 1000m D

D* Disposable Drum
All figures are nominal, refer to the specific Data Sheet for product detail.

Test Performance

Material Compliance

- > UL listed 1666 (OFNR)
- > NEC 770-51(b)
- > NEC 770-53(b)

Tensile

Tested in accordance with IEC 60794-1-2 Method E1. There shall be no permanent deformation of the primary or assembly parts after the applied load (spec. weight kg/km)N at 20mm/minute.

Crush Performance

Tested in accordance with IEC 60794-1-2 Method E3. After a maintained load for 1 minute there shall be no deformation of primary tubes greater than 0.5mm.

Stress Crack Resistance

Tested in accordance with BS6469 Section 99.1 with chemical Caflon CF30.