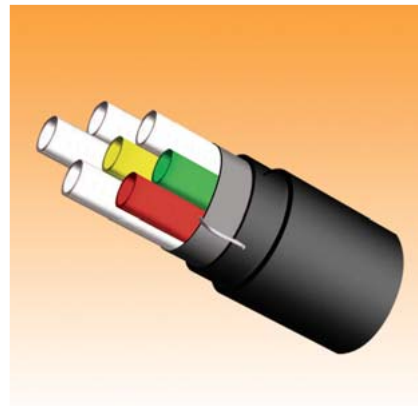


Direct Bury Cable

HDPE low friction tubes of small diameter for blown fibre installations in Direct Burial applications. The heavier construction lies flatter in trenches, has increased crush rating and has more resistance to localised bending.



Features and Benefits

- > Recommended for direct burial in prepared ground.
- > Aluminium layer acts as a moisture barrier.
- > Double sheath to improve crush and bending resistance.
- > Lower total installed cost compared with installing tube cables in larger bore ducts.
- > Rapid dedicated customer connections using proven mechanical protection of HDPE.
- > Low friction internal coating for maximum fibre blowing distance.
- > Each tube accommodates one fibre unit (up to 12 fibres in a unit).
- > Can be customised to suit user requirements (e.g. tube style, sheath colour, print legend).

Reference Data Sheet ST005

Product Details

Assembly of tubes surrounded by an aluminium moisture barrier and two polyethylene sheath layers for improved crush, tensile and bending performance.

Assembly Type	Nominal O.D. (mm)	Minimum Bend Radius (mm)	Maximum Tensile (N)	Nominal Weight (g/m)	Drum Lengths	
1 Way	10.9	109	750	82	500m D* 1000m R*	2000m R 4000m R
2 Way	12.2 x 17.2	190	1200	154	500m D 1000m R	2000m R 4000m R
4 Way	19.3	300	1600	216	500m D 1000m R	2000m R 4000m R
7 Way	22.2	350	2000	278	500m D 1000m R	2000m R 4000m R
12 Way	29.5	443	2800	472	1000m R 2000m R	
19 Way	34.3	550	4000	604	1000m R 2000m R	
24 Way	39.3	650	5000	748	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

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

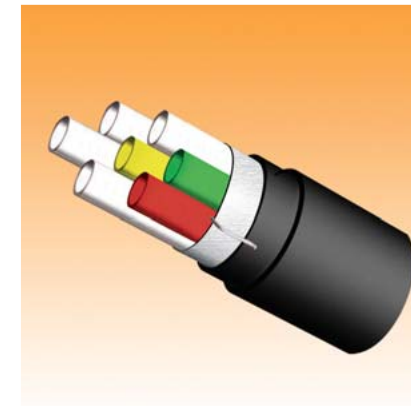
Tested in accordance with IEC 60794-1-2 Method E3. After a maintained load for 1 minute there shall be no deformation of primary tubes greater than 0.5mm.

Stress Crack Resistance

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

Direct Bury Non-Metallic Cable

HDPE low friction tubes of small diameter for blown fibre installations in last-mile and campus environments. For Direct Burial applications where lightning incidence and other influences establish preference for a totally non-metallic cable.



Features and Benefits

- > Totally non-metallic solution.
- > Recommended for direct burial in prepared ground.
- > Water swellable tape layer acts as a moisture barrier.
- > Lower total installed cost compared with installing tube cables in larger bore ducts.
- > Rapid dedicated customer connections using proven mechanical protection of HDPE.
- > Low friction internal coating for maximum fibre blowing distance.
- > Each tube accommodates one fibre unit (up to 12 fibres in a unit).
- > Can be customised to suit user requirements (e.g. tube style, sheath colour, print legend).

Reference Data Sheet ST009

Product Details

Assembly of tubes surrounded by a water swellable tape and two polyethylene sheath layers for improved bending performance.

Assembly Type	Nominal O.D. (mm)	Minimum Bend Radius (mm)	Maximum Tensile (N)	Nominal Weight (g/m)	Drum Lengths	
1 Way	10.0	100	200	62	500m D* 1000m R*	2000m R 4000m R
2 Way	12.3 x 17.3	185	800	145	500m D 1000m R	2000m R 4000m R
4 Way	19.4	300	1100	203	500m D 1000m R	2000m R 4000m R
7 Way	22.0	330	1400	280	500m D 1000m R	2000m R 4000m R
12 Way	30.2	425	2150	450	1000m R 2000m R	
19 Way	34.3	550	2500	577	1000m R 2000m R	
24 Way	37.9	645	3500	713	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

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.