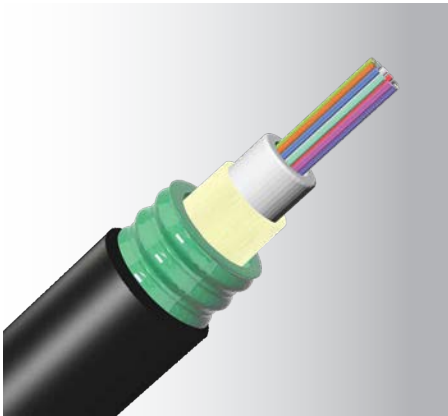


# Optical Fibre Cables

Central Loose Unitube (UT) with Glass Yarn Strength Member, Corrugated Steel Tape Armoured, Underground (Direct Buried or Duct), Single Sheathed Cable

Model Code: UT/GY/CST/LSZH; UT/GY/CST/HDPE



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**Application :** Compared to the multi-loose tube type, this cable has a smaller diameter, of lighter weight, and lower load tension; suitable for lashed aerial, duct, underground conduit applications.

- Construction :**
- 2 to 96 optical fibre [250µm OM1, OM2, OM3, OM4 multi-mode or OS2 (ITU-T G.652.D) single-mode] in a gel-filled loose tube
  - Water blocking e-glass non-metallic strength members with rip cord
  - Corrugated steel tape (CST) armoured
  - UV resistant LSZH sheathed cable (Suitable for internal/external applications)
  - UV resistant HDPE sheathed cable (Suitable for environmental protection and water permeation resistance)

**Sheath colour :** Black

**Specification :** IEC 60793, IEC 60794-3-10  
 Single-mode OS2: ITU-T G.650, ITU-T G.652, ISO/IEC 11801  
 Multi-mode OM1: ISO/IEC 11801  
 Multi-mode OM2, OM3, OM4: ITU-T G.651, ISO/IEC 11801  
 LSZH sheath: IEC 60754, IEC 61034-2, IEC 60332

**Operating temperature :** -40°C to 70°C

**Storage temperature :** -40°C to 70°C

**Installation temperature :** -10°C to 60 °C

No. of Fibres	2	4	6	8	10	12	16	24	36	48	60	72	96
No. of Loose Tube	1	1	1	1	1	1	1	1	1	1	1	1	1
No. of Fibres Per Tube	2	4	6	8	10	12	16	24	36	48	60	72	96
Approx. Overall Diam. (mm)	8.3	8.3	8.3	8.3	8.3	8.3	9.5	9.5	9.5	9.7	9.9	10.5	11.0
Approx. Weight (kg/km) (LSZH)	96	96	96	96	96	96	122	122	122	125	133	147	156
Approx. Weight (kg/km) (HDPE)	88	88	88	88	88	88	112	112	112	115	123	135	149

Note: The information contained in the above table is subject to normal manufacturing tolerance. Specifications are subjected to change without notice.

**Mechanical Properties**

Max. Tensile Load (N)	1500N
Crush Resistance (N/100mm)	1000N
Min. Installation Bending Radius (mm)	20 x OD
Min. Operation Bending Radius (mm)	10 x OD