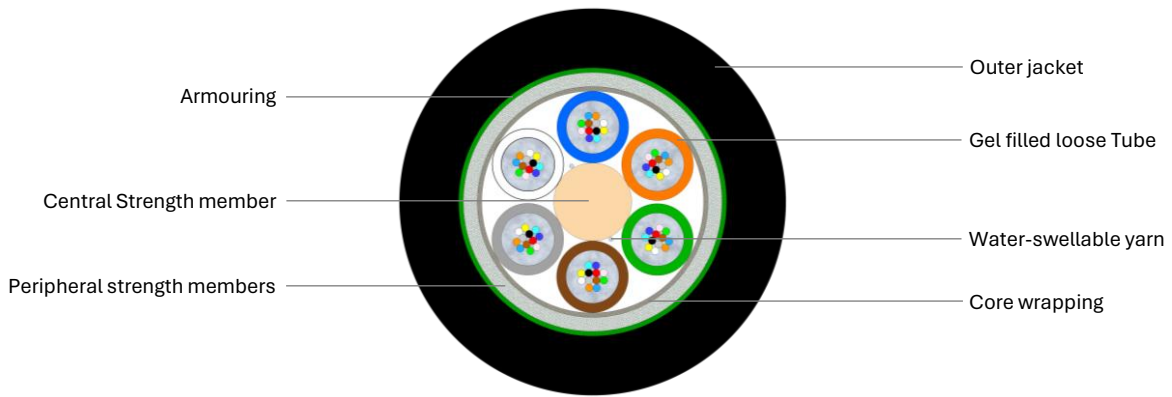


# Universal CST Armoured Multitube Cable 12-144F (HC)

Fibre optic cable with full protection against rodents for direct burial installation



Picture not to scale. For illustration only.

Fibre Type	G.652.D, G.657.A1, G.657.A2, G.655, OM1, OM2, OM3, OM4
Fibre colour	EIA/TIA-598A
Tube colour	EIA/TIA-598A
Central strength member	FRP rod (coated if necessary)
Core wrapping	Water-swellable tape
Peripheral strength members	Water-swellable glass yarns
Armouring	Corrugated steel tape, longitudinally under jacket
Outer jacket material	Black UV resistant halogen-free flame-retardant thermoplastic compound

Number of fibres	12	24	48	60	72	96	144	
Number of fibres in tube	12	12	12	12	12	12	12	
Tube count (layers)	1	2	4	5	6	8	12	
Filler count	4	3	1	0	0	0	0	
Nominal outer diameter (mm)	11.4	11.4	11.4	11.4	12.4	13.9	16.8	
Outer jacket thickness (mm)				1.5				
Calc. cable weight (kg/km)	149	151	156	159	178	216	298	
Short-term tensile strength (N)	1800	1800	1800	1800	2400	3000	4000	IEC 60794-1-101
Long-term tensile strength (N)	480	480	480	480	800	1500	2000	IEC 60794-1-101
Short-term crush resistance (N/100 mm)				3500				IEC 60794-1-103
Long-term crush resistance (N/100 mm)				1050				IEC 60794-1-103
Max. impact loading (Nm)				25				IEC 60794-1-104
Min. bend radius not load (OD)				15				IEC 60794-1-111
Min. bend radius load (OD)				20				IEC 60794-1-111
Operating temperature range (°C)				-40 to +70				IEC 60794-1-201
Storage temperature range (°C)				-40 to +70				IEC 60794-1-201
Installation temperature range (°C)				-15 to +50				IEC 60794-1-201
Water tightness (1 m / 24 hrs.)				No leakage				IEC 60794-1-205
Class of fire reaction				Fca				EN 50575, EN 13501-6

Number of Fibers	Cable Code (Ordering Code)	Delivery length	Packing
12	OPK-U-MTFDS-12(5x2.3)LTGXH-xx-BK	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
24	OPK-U-MTFDS-24(5x2.3)LTGXH-xx-BK	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
48	OPK-U-MTFDS-48(5x2.3)LTGXH-xx-BK	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
60	OPK-U-MTFDS-60(5x2.3)LTGXH-xx-BK	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
72	OPK-U-MTFDS-72(6x2.3)LTGXH-xx-BK	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
96	OPK-U-MTFDS-96(8x2.3)LTGXH-xx-BK	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
144	OPK-U-MTFDS-144(12x2.3)LTGXH-xx-BK	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum

xx – fibre type (see Cable code datasheet)

Print legend: Manufacturer - Cable type – lot number- length marking per 1 m (customer print legend available on request)

Note: Cable marking using the Hot-foil method is done in white. If overprinting is necessary, the color of the text is yellow.