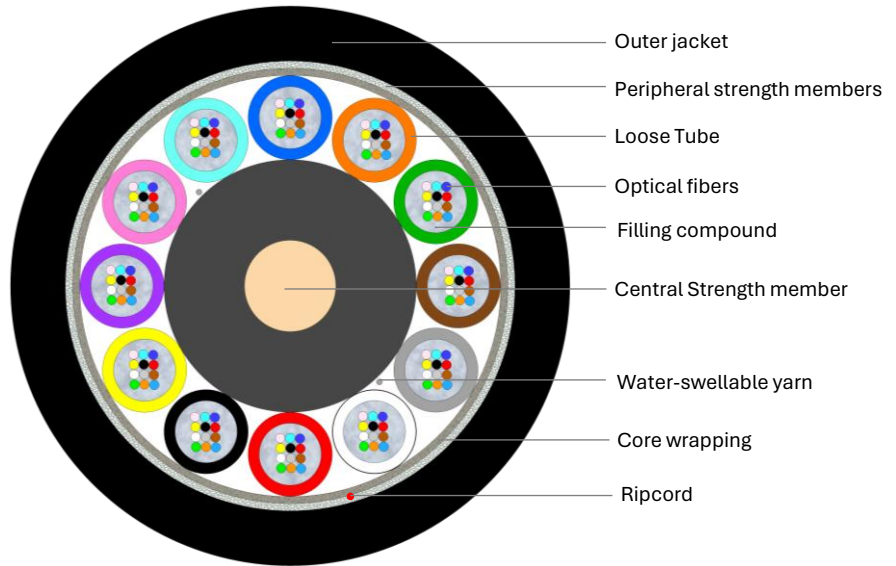


# Universal Multitube Cable 12-432F (HC)

Full dielectric cable for external or internal installation on cable trays or into duct by pulling



Picture not to scale. For illustration only.

Fibre Type	G.652.D, G.657.A1, G.657.A2, G.655, OM1, OM2, OM3, OM4, OM5
Fibre colour	EIA/TIA-598A
Tube colour	EIA/TIA-598A
Tube	Gel-Filled PBT buffer tube
Tube filling compound	Thixotropic Jelly Compound
Central strength member	FRP rod (coated if necessary)
Peripheral strength members	Water-swellaible glass yarns
Core wrapping	Water-swellaible tape
Ripcord	1x under outer jacket
Outer jacket material	UV resistant Thermoplastic FR-LSHF compound according to BS 7878:7 and DIN VDE 0207 , part 24, type HM2

	12	24	48	60	72	96	144	192	216	288	432	
Number of fibres	12	24	48	60	72	96	144	192	216	288	432	
Number of fibres in tube	12	12	12	12	12	12	12	12	12	12	12	
Tube count (layers)	1	2	4	5	6	8	12	16(5+11)	18(6+12)	24(9+15)	36(6+12+18)	
Filler count	4	3	1	0	0	0	0	0	0	0	0	
Nominal outer diameter (mm)	11.2	11.2	11.2	11.2	12.0	13.4	16.4	15.8	16.6	18.7	21.2	
Outer jacket thickness (mm)	2.0											
Calc. cable weight (kg/km)	115	117	122	124	143	175	251	231	255	318	452	
Short-term tensile strength (N)	2000	2000	2000	2000	3200	4100	6500	3100	4200	5700	4200	IEC 60794-1-101
Long-term tensile strength (N)	440	440	440	440	900	1600	4000	620	1100	2600	1100	IEC 60794-1-101
Short-term crush resistance (N/100 mm)	2000											
Long-term crush resistance (N/100 mm)	600											
Max. impact loading (Nm)	20											
Min. bend radius not load (OD)	15											
Min. bend radius load (OD)	20											
Operating temperature range (°C)	-40 to +70											
Storage temperature range (°C)	-40 to +70											
Installation temperature range (°C)	-15 to +50											
Water tightness (1 m / 24 hrs.)	No leakage											
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)LTGH-xx-yy	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
24	OPK-U-MTFDS-24(5x2.3)LTGH-xx-yy	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
48	OPK-U-MTFDS-48(5x2.3)LTGH-xx-yy	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
60	OPK-U-MTFDS-60(5x2.3)LTGH-xx-yy	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
72	OPK-U-MTFDS-72(6x2.3)LTGH-xx-yy	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
96	OPK-U-MTFDS-96(8x2.3)LTGH-xx-yy	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
144	OPK-U-MTFDS-144(12x2.3)LTGH-xx-yy	2000 m ± 5% , 4000 m ± 5%	Solid wooden non-returnable drum
192	OPK-U-MTFDS-192(16x2.3)LTGH-xx-yy	2000 m ± 5%	Solid wooden non-returnable drum
216	OPK-U-MTFDS-216(18x2.3)LTGH-xx-yy	2000 m ± 5%	Solid wooden non-returnable drum
288	OPK-U-MTFDS-288(24x2.3)LTGH-xx-yy	2000 m ± 5%	Solid wooden non-returnable drum
432	OPK-U-MTFDS-432(36x2.3)LTGH-xx-yy	2000 m ± 5%	Solid wooden non-returnable drum

xx – fibre type , yy – jacket colour (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.