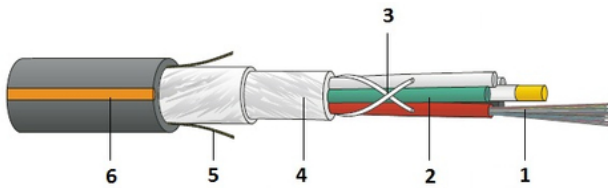


FO Outdoor wbGGT HP / A-DQ(ZN)B2Y

HighP Euroclass Fca
non metallic, dry interstices,
water resistant, rodent protection



- 1 ≤ 24 fibres
- 2 Loose tube
- 3 Swelling tape
- 4 Glass armour
- 5 Ripcord
- 6 HDPE sheath



DESCRIPTION

Robust, metal-free fibre optic outdoor cable with stranded loose tubes in one layer.
High crush resistance for high transmission reliability.
Easy handling due to the use of dry strand interstices.
Non-metallic rodent protection.
The two coloured ripcords are easy to identify and enable the safe opening of the cable sheath.
HDPE cable sheath, easy to lay.

APPLICATION

For pulling in or blowing through thermoplastic duct systems.
Suitable for laying in cable platforms, cable trays
and even in complex cable trays.
Direct burial.

OPTICAL PROPERTIES

The cables are available with different types of optical fibre (see fibre data sheets).

MECHANICAL PROPERTIES

Temperature range	storage:	-40°C / +70°C	IEC 60794-1-22 F1
	during installation:	-10°C / +50°C	
	in operation:	-40°C / +60°C	
Tensile performance:	IEC 60794-1-21 E1		
Crush resistance:	IEC 60794-1-21 E3		
Impact:	IEC 60794-1-21 E4		
Repeated bending:	IEC 60794-1-21 E6		
Torsion:	IEC 60794-1-21 E7		
Bend:	IEC 60794-1-21 E11		
Water penetration:	IEC 60794-1-22 F5		

STANDARDS

Reaction to fire (Euroclass)	EN 13501-6: F _{ca}
Imprint	DATWYLER «cable type» «Datwyler designation» «DIN designation» «no. of fibres» «fibre type» «add. text» «batch no.» «meter marks»
Zero halogen, no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2

VERSIONS

Article No.	DoP	Product	Reaction to fire (Euroclass)	Number of fibres	Loose Tubes	Sheath colour	Fibre type	Sheath Ø [mm]	Weight [kg/km]	Bending radius [mm]	Tensile load [N]	Crush resistance continuous [N]	Crush resistance short term [N]	Fire load [kWh/m]	PU
19005900FZ		FO Outdoor HP 1x12	Fca	12	5	black	E9/125 G.652.D OS2	12	136	180	9000	3000	8000	1.04	by the metre
19065100FZ		FO Outdoor HP 1x12	Fca	12	5	black	G50/125 OM3	12	136	180	9000	3000	8000	1.04	by the metre
18674800FZ		FO Outdoor HP 2x12	Fca	24	5	black	E9/125 G.652.D OS2	12	136	180	9000	3000	8000	1.04	by the metre
19036800FZ		FO Outdoor HP 2x12	Fca	24	5	black	G50/125 OM3	12	136	180	9000	3000	8000	1.04	by the metre
19444400FZ		FO Outdoor	Fca	24	5	black	G50/125 OM4	12	136	180	9000	3000	8000	1.04	by the

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	HP 2x12														metre
19005800FZ	FO Outdoor HP 3x12	Fca	36	5	black	E9/125 G.652.D OS2	12	136	180	9000	3000	8000	1.04	by the metre	
18738500FZ	FO Outdoor HP 4x12	Fca	48	5	black	E9/125 G.652.D OS2	12	136	180	9000	3000	8000	1.04	by the metre	
19036900FZ	FO Outdoor HP 4x12	Fca	48	5	black	G50/125 OM3	12	136	180	9000	3000	8000	1.04	by the metre	
19017100FZ	FO Outdoor HP 5x12	Fca	60	5	black	E9/125 G.652.D OS2	12	136	180	9000	3000	8000	1.04	by the metre	
19017200FZ	FO Outdoor HP 6x12	Fca	72	6	black	E9/125 G.652.D OS2	12.8	151	195	9000	3000	8000	1.137	by the metre	
18676000FZ	FO Outdoor HP 8x12	Fca	96	8	black	E9/125 G.652.D OS2	14	179	210	9000	3000	8000	1.305	by the metre	
19617400FZ	FO Outdoor HP 8x12	Fca	96	8	black	G50/125 OM4	14	179	210	9000	3000	8000	1.305	by the metre	
19017400FZ	FO Outdoor HP 9x12	Fca	108	10	black	E9/125 G.652.D OS2	15.4	209	230	9000	3000	8000	1.491	by the metre	
19017500FZ	FO Outdoor HP 10x12	Fca	120	10	black	E9/125 G.652.D OS2	15.4	209	230	9000	3000	8000	1.491	by the metre	
19269700FZ	FO Outdoor HP 10x12	Fca	120	10	black	G50/125 OM3	15.4	209	230	9000	3000	8000	1.491	by the metre	
18739400FZ	FO Outdoor HP 12x12	Fca	144	12	black	E9/125 G.652.D OS2	16.9	246	255	9000	3000	8000	1.707	by the metre	
19031100FZ	FO Outdoor HP 12x12	Fca	144	12	black	G50/125 OM3	16.9	246	255	9000	3000	8000	1.707	by the metre	
19076400FZ	FO Outdoor HP 6x24	Fca	144	6	black	E9/125 G.652.D OS2	13.8	173	205	9000	3000	8000	1.291	by the metre	
19127000FZ	FO Outdoor HP 8x24	Fca	192	8	black	E9/125 G.652.D OS2	15	191	225	9000	3000	8000	1.583	by the metre	
19069600FZ	FO Outdoor HP 9x24	Fca	216	10	black	E9/125 G.652.D OS2	17	279	255	9000	3000	8000	1.993	by the metre	
19032500FZ	FO Outdoor HP 12x24	Fca	288	12	black	E9/125 G.652.D OS2	18.8	296	285	9000	3000	8000	2.453	by the metre	
19215700FZ	FO Outdoor HP 1x12+1x12	Fca	24	5	black	E9/125 G.652.D OS2 + G50/125 OM3	12	136	180	9000	3000	8000	1.04	by the metre	