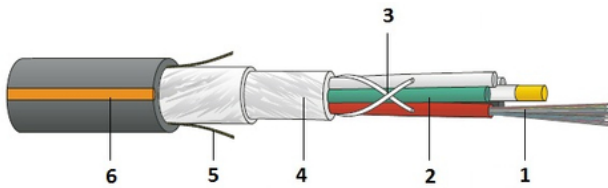


# FO Outdoor wbGGT HP / A-DQ(ZN)B2Y

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 <sub>ca</sub>
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	