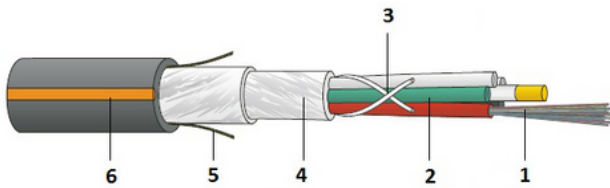


# FO Outdoor wbGGT HP / A-DQ(ZN)B2Y

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 (Euroclasses)	EN 13501-6:Fca
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 (Euroclasses)	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
19444400FZ		FO Outdoor HP 2x12	Fca	24	5	black	G50/125 OM4	12	110	180	9000 N	3000 N	8000 N	1.04	by the metre
19005900FZ		FO Outdoor HP 1x12	Fca	12	5	black	E9/125 G.652.D OS2	12	128	180	9000 N	3000 N	8000 N	1.04	by the metre
18662700FZ		FO Outdoor HP 1x12	Fca	12	5	black	G50/125 OM2	12	83	180	9000 N	3000 N	8000 N	1.04	by the metre
19065100FZ		FO Outdoor	Fca	12	5	black	G50/125 OM3	12	83	180	9000 N	3000 N	8000 N	1.04	by the metre

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	HP 1x12													metre
18674800FZ	FO Outdoor HP 2x12	Fca	24	5	black	E9/125 G.652.D OS2	12	84	180	9000 N	3000 N	8000 N	1.04	by the metre
19036800FZ	FO Outdoor HP 2x12	Fca	24	5	black	G50/125 OM3	12	110	180	9000 N	3000 N	8000 N	1.04	by the metre
18643700FZ	FO Outdoor HP 2x12	Fca	24	5	black	G50/125 OM2	12	84	180	9000 N	3000 N	8000 N	1.04	by the metre
19005800FZ	FO Outdoor HP 3x12	Fca	36	5	black	E9/125 G.652.D OS2	12	84	180	9000 N	3000 N	8000 N	1.04	by the metre
18643800FZ	FO Outdoor HP 3x12	Fca	36	5	black	G50/125 OM2	12	86	180	9000 N	3000 N	8000 N	1.04	by the metre
18738500FZ	FO Outdoor HP 4x12	Fca	48	5	black	E9/125 G.652.D OS2	12	84	180	9000 N	3000 N	8000 N	1.04	by the metre
18643900FZ	FO Outdoor HP 4x12	Fca	48	5	black	G50/125 OM2	12	87	180	9000 N	3000 N	8000 N	1.04	by the metre
19036900FZ	FO Outdoor HP 4x12	Fca	48	5	black	G50/125 OM3	12	110	180	9000 N	3000 N	8000 N	1.04	by the metre
19017100FZ	FO Outdoor HP 5x12	Fca	60	5	black	E9/125 G.652.D OS2	12	88	180	9000 N	3000 N	8000 N	1.04	by the metre
19017200FZ	FO Outdoor HP 6x12	Fca	72	6	black	E9/125 G.652.D OS2	12.8	109	195	9000 N	3000 N	8000 N	1.137	by the metre
19178200FZ	FO Outdoor HP 6x12	Fca	72	6	black	G50/125 OM2	12.8	110	195	9000 N	3000 N	8000 N	1.137	by the metre
18676000FZ	FO Outdoor HP 8x12	Fca	96	8	black	E9/125 G.652.D OS2	14	133	210	9000 N	3000 N	8000 N	1.305	by the metre
19037200FZ	FO Outdoor HP 8x12	Fca	96	8	black	G50/125 OM2	14	110	210	9000 N	3000 N	8000 N	1.305	by the metre
19017400FZ	FO Outdoor HP 9x12	Fca	108	10	black	E9/125 G.652.D OS2	15.4	133	230	9000 N	3000 N	8000 N	1.491	by the metre
19017500FZ	FO Outdoor HP 10x12	Fca	120	10	black	E9/125 G.652.D OS2	15.4	133	230	9000 N	3000 N	8000 N	1.491	by the metre
19269700FZ	FO Outdoor HP 10x12	Fca	120	10	black	G50/125 OM3	15.4	133	230	9000 N	3000 N	8000 N	1.491	by the metre
18739400FZ	FO Outdoor HP 12x12	Fca	144	12	black	E9/125 G.652.D OS2	16.9	201	255	9000 N	3000 N	8000 N	1.707	by the metre
19031100FZ	FO Outdoor HP 12x12	Fca	144	12	black	G50/125 OM3	16.9	110	255	9000 N	3000 N	8000 N	1.707	by the metre
19018000FZ	FO Outdoor HP 12x12	Fca	144	12	black	G50/125 OM4	16.9	110	255	9000 N	3000 N	8000 N	1.707	by the metre
19076400FZ	FO Outdoor HP 6x24	Fca	144	6	black	E9/125 G.652.D OS2	13.8	130	205	9000 N	3000 N	800 N	1.291	by the metre
19127000FZ	FO Outdoor HP 8x24	Fca	192	8	black	E9/125 G.652.D OS2	15	255	225	9000 N	3000 N	8000 N	1.583	by the metre
19069600FZ	FO Outdoor HP 9x24	Fca	216	10	black	E9/125 G.652.D OS2	17	255	255	9000 N	3000 N	8000 N	1.993	by the metre
19032500FZ	FO Outdoor HP 12x24	Fca	288	12	black	E9/125 G.652.D OS2	18.8	255	285	9000 N	3000 N	8000 N	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	85	180	9000 N	3000 N	8000 N	1.04	by the metre