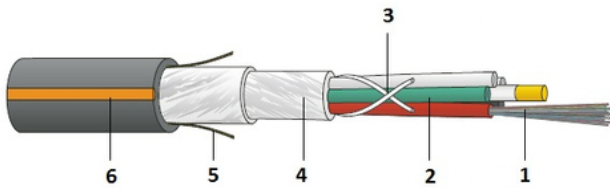


# FO Outdoor wbGGT HP / A-DQ(ZN)B2Y

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 |