



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



DESCRIPTION

Compact fibre optic outdoor cable with up to 576 fibres for city and access networks.
 2-layer loose tube construction, longitudinally water protected and with dry strand interstices.
 The glass armour provides for a combined non-metallic rodent protection and strain relief.
 The two coloured ripcords are easy to identify and enable the safe opening of the cable sheath.
 HDPE cable sheath, easy to lay.
 Direct burial.

APPLICATION

Optimised for blowing into compact thermoplastic ducts.

OPTICAL PROPERTIES

The cables are available with different types of optical fibre (see fibre data sheet) that can also be combined in one cable.

MECHANICAL PROPERTIES

Temperature range	storage:	-40 / +70°C	IEC 60794-1-2 F1
	during installation:	-10 / +50°C	
	in operation:	-40 / +60°C	
Tensile performance:	IEC 60794-1-2 E1		
Crush resistance:	IEC 60794-1-2 E3		
Repeated bending:	IEC 60794-1-2 E6		
Torsion:	IEC 60794-1-2 E7		
Bend:	IEC 60794-1-2 E11		
Water penetration:	IEC 60794-1-2 F5		

STANDARDS

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 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2

VERSIONS

Article Number	Product	Fibres number	Sheath colour	Fibre type	Loose Tubes	Sheath Ø [mm]	Weight [kg/km]	Bending radius [mm]	Tensile load [N]	Crush resistance continuous [N]	Crush resistance short term [N]	Fire load [kWh/km]	Fire load [MJ/km]
190709	wbGGT18 HighP 15 x 12	180	black	E9/125 G.652.D	18	18.5	285	470	9000	3000	5000	2492	7967
190699	wbGGT18 HighP 16 x 12	192	black	E9/125 G.652.D	18	18.5	285	470	9000	3000	5000	2492	7967
190176	wbGGT18 HighP 18 x 12	216	black	E9/125 G.652.D	18	18.5	285	470	9000	3000	5000	2492	7967
191693	wbGGT24 HighP 20 x 12	240	black	E9/125 G.652.D	24	22.0	375	550	9000	3000	5000	2568	9245
190399	wbGGT24 HighP 24 x 12	288	black	E9/125 G.652.D	24	22.0	375	550	9000	3000	5000	2568	9245
190178	wbGGT18 HighP 18 x 24	432	black	E9/125 G.652.D	18	20.6	335	515	9000	3000	5000	3115	11214
190700	wbGGT24 HighP 24 x 24	576	black	E9/125 G.652.D	24	28.2	433	705	9000	3000	5000	4786	15123