

Universal Multi Loose Tube Cable with Steel Wire Armor, Double Jacket

GCWG, GCWD

A/I-DQ(ZN)HBH



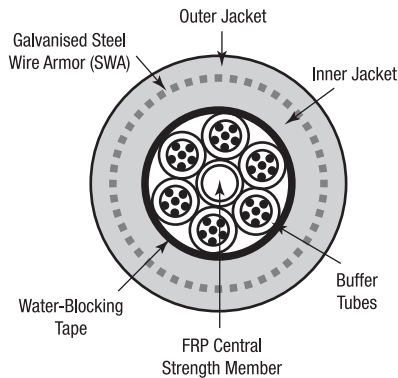
Applications

- For outdoor and indoor use in structured (data) wiring systems such as campus backbone
- For outdoor and indoor use in networks for telecom, cable TV and/or broadcast
- Easy to install in ducts, tunnels and trenches by means of compressed air or pulling wire
- Suitable for direct burial

Features & Benefits

- Available in sizes from 2 to 144 fibers
- Jelly filled (non-dripping and silicon-free) loose tubes with primary coated optical fibers ($\text{Ø } 250 \pm 15 \mu\text{m}$)
- Full dielectric construction, no grounding required
- Installation-friendly thanks to the cable core which is kept free of grease (dry interstices)
- High mechanical and full rodent protection provided by Steel Wire Armor (SWA)
- Halogen Free jacket
- Length marking in meters for easy determination of the cable length

Cross Section



Specifications

IEC 60794-1-2	
Crush Resistance (E3):	22 kN/m
Min. Bend Radius installation (E6):	20 x Ø
Min. Bend Radius operation (E11):	20 x Ø
Temperature Range (F1):	
- Transport/Storage	-30 °C to +70 °C
- Installation	-5 °C to +50 °C
- Operation	-30 °C to +70 °C
Watertightness (F5):	Pass
Other	
Flame Retardant:	IEC 60332-3-22
Halogen Free:	IEC 60754-1
Non Corrosive:	IEC 60754-2
Smoke Density:	IEC 61034-2

Characteristics

Loose Tube	Fiber Count	Diameter Tube (mm)	Max. Fibers per Tube	Watertightness in Core	Steel Wire Diameter (mm)	Diameter (mm)	Weight (kg/km)	Tensile Strength (short term) N	Tensile Strength (permanent) N	Fire Load (kJ/m)
IEC 60794-1-2								E1	E1	
GCWG*xx	6 to 36	1.9	6	Dry	0.9	13.5	325	1750	580	3000
GCWD*xx	12 to 72	2.5	12	Dry	0.9	15.5	390	2300	750	4100

Ordering Information

Fiber Type/Count	Dry Core				
	6	12	18	24	36
62.5/125-OM1	GCWG106	GCWG112	GCWG118	GCWG124	GCWG136
50/125-OM2	GCWG206	GCWG212	GCWG218	GCWG224	GCWG236
50/125-OM3	GCWGD06	GCWGD12	GCWGD18	GCWGD24	GCWGD36
50/125-OM4	GCWGE06	GCWGE12	GCWGE18	GCWGE24	GCWGE36
9/125 ITU G.652D	GCWG806	GCWG812	GCWG818	GCWG824	GCWG836
9/125 ITU G.655 C & D	GCWG706	GCWG712	GCWG718	GCWG724	GCWG736
Std. plywood reel (non-returnable)	Ø 1250 x 688 mm, Weight 93.0 kg				
Std. delivery length	2100 ± 100 m				

Fiber Type/Count	Dry Core					
	12	24	36	48	60	72
62.5/125-OM1	GCWD112	GCWD124	GCWD136	GCWD148	GCWD160	GCWD172
50/125-OM2	GCWD212	GCWD224	GCWD236	GCWD248	GCWD260	GCWD272
50/125-OM3	GCWDD12	GCWDD24	GCWDD36	GCWDD48	GCWDD60	GCWDD72
50/125-OM4	GCWDE12	GCWDE24	GCWDE36	GCWDE48	GCWDE60	GCWDE72
9/125 ITU G.652D	GCWD812	GCWD824	GCWD836	GCWD848	GCWD860	GCWD872
9/125 ITU G.655 C & D	GCWD712	GCWD724	GCWD736	GCWD748	GCWD760	GCWD772
Std. plywood reel (non-returnable)	Ø 1250 x 688 mm, Weight 93.0 kg					
Std. delivery length	2100 ± 100 m					

Fiber Color Coding

No.	
1	Red
2	Green
3	Blue
4	Yellow
5	Violet

No.	
6	Pink
7	Orange
8	Black
9	Grey
10	Brown

No.	
11	White
12	Aqua
13	Red + ring
14	Green + ring
15	Blue + ring

No.	
16	Yellow + ring
17	Violet + ring
18	Pink + ring
19	Orange + ring
20	Black + ring

No.	
21	Grey + ring
22	Brown + ring
23	White + ring
24	Aqua + ring

Tube Color Coding

No.	
1	Red
2	Green
3 to 12	White