

Universal Multi Loose Tube Cable with Rodent Protection, Single Jacket

GCRG, GCRD, GCRE, GCRF

A/I-DQ(ZN)BH



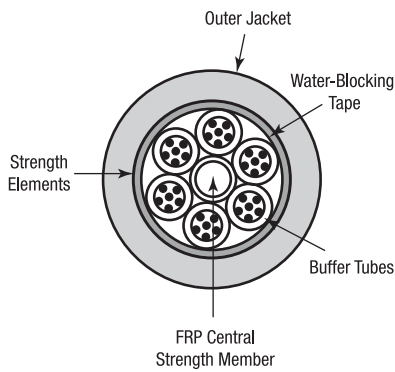
Applications

- 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 ($\varnothing 250 \pm 15 \mu\text{m}$)
- Full dielectric construction, no grounding required
- Installation-friendly thanks to the cable core which is kept free of grease (dry interstices)
- Rodent protected by means of Glass Yarn Strength Elements
- Halogen Free jacket
- Length marking in meters for easy determination of the cable length

Cross Section



Specifications

IEC 60794-1-2

Crush Resistance (E3):	15 kN/m
Min. Bend Radius installation (E6):	20 x \varnothing
Min. Bend Radius operation (E11):	20 x \varnothing
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 60332-3-24
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	Diameter (mm)	Weight (kg/km)	Tensile Strength (short term) N	Tensile Strength (permanent) N	Fire Load (kJ/m)
IEC 60794-1-2							E1	E1	
GCRG*xx	6 to 36	1.9	6	Dry	11.8	159	6000	2000	2500
GCRD*xx	12 to 72	2.5	12	Dry	13.7	169	6600	2200	3000
GCRE*xx	84 to 96	2.5	12	Dry	15.3	215	8000	2650	3200
GCRF*xx	108 to 144	2.5	12	Dry	18.5	276	8000	3200	5900

Ordering Information

Fiber Type/Count	Dry Core				
	6	12	18	24	36
62.5/125-OM1	GCRG106	GCRG112	GCRG118	GCRG124	GCRG136
50/125-OM2	GCRG206	GCRG212	GCRG218	GCRG224	GCRG236
50/125-OM3	GCRGD06	GCRGD12	GCRGD18	GCRGD24	GCRGD36
50/125-OM4	GCRGE06	GCRGE12	GCRGE18	GCRGE24	GCRGE36
9/125 ITU G.652D	GCRG806	GCRG812	GCRG818	GCRG824	GCRG836
9/125 ITU G.655 C & D	GCRG706	GCRG712	GCRG718	GCRG724	GCRG736
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	GCRD112	GCRD124	GCRD136	GCRD148	GCRD160	GCRD172
50/125-OM2	GCRD212	GCRD224	GCRD236	GCRD248	GCRD260	GCRD272
50/125-OM3	GCRDD12	GCRDD24	GCRDD36	GCRDD48	GCRDD60	GCRDD72
50/125-OM4	GCRDE12	GCRDE24	GCRDE36	GCRDE48	GCRDE60	GCRDE72
9/125 ITU G.652D	GCRD812	GCRD824	GCRD836	GCRD848	GCRD860	GCRD872
9/125 ITU G.655 C & D	GCRD712	GCRD724	GCRD736	GCRD748	GCRD760	GCRD772
Std. plywood reel (non-returnable)	Ø 1250 x 688 mm, Weight 93.0 kg					
Std. delivery length	2100 ± 100 m					

Ordering Information

Fiber Type/Count	Dry Core	
	96	144
62.5/125-OM1	GCRE196	GCRE144
50/125-OM2	GCRE296	GCRE244
50/125-OM3	GCRE96	GCRFD44
50/125-OM4	GCREE96	GCRFE44
9/125 ITU G.652D	GCRE896	GCRF844
9/125 ITU G.655 C & D	GCRE796	GCRF744
Std. plywood reel (non-returnable)	Ø 1400 x 900 mm, Weight 120.0 kg	
Std. delivery length	2100 ± 100 m	

Fiber Color Coding

No.		No.		No.	
1	Red	11	White	21	Grey + ring
2	Green	12	Aqua	22	Brown + ring
3	Blue	13	Red + ring	23	White + ring
4	Yellow	14	Green + ring	24	Aqua + ring
5	Violet	15	Blue + ring	Tube Color Coding	
6	Pink	16	Yellow + ring	No.	
7	Orange	17	Violet + ring	1	Red
8	Black	18	Pink + ring	2	Green
9	Grey	19	Orange + ring	3 to 12	White
10	Brown	20	Black + ring		