

Outdoor Multi Loose Tube Cable
with Corrugated Steel Tape, Single Jacket

GBCG, GBCD, GBCE, GBCF
GDCG, GDGD, GDCE, GDCF

A-DQ(ZN)(SR)2Y
A-DF(ZN)(SR)2Y



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

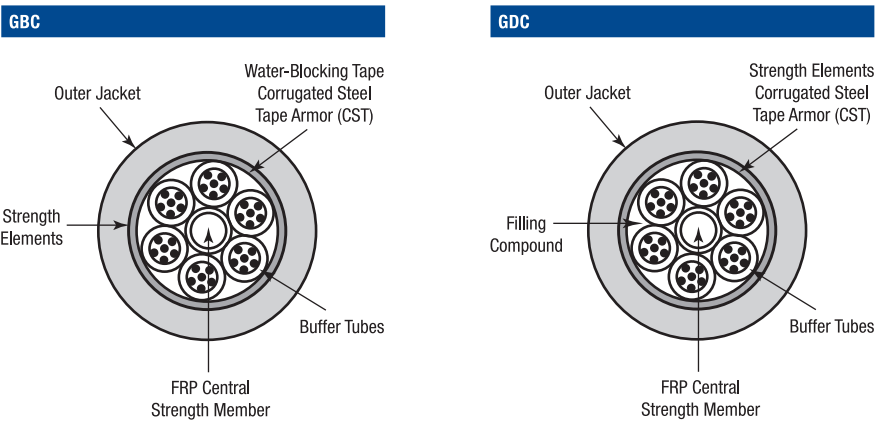
Features & Benefits

- 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) for GBC types
- High mechanical and full rodent protection provided by Corrugated Steel Tape (CST) armor
- Polyethylene jacket
- Length marking in meters for easy determination of the cable length

Specifications

IEC 60794-1-2	
Crush Resistance (E3):	22 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

Cross Section



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	
GBCG*xx	6 to 36	1.9	6	Dry	10.5	105	1750	550	3000
GDCG*xx	6 to 36	1.9	6	Filled	10.5	115	1750	580	3400
GBCD*xx	12 to 72	2.5	12	Dry	12.0	175	2400	800	4000
GDCD*xx	12 to 72	2.5	12	Filled	12.0	180	7000	800	4400
GBCE*xx	84 to 96	2.5	12	Dry	15.4	230	2500	830	4400
GDCE*xx	84 to 96	2.5	12	Filled	15.4	240	2500	830	4900
GBCF*xx	108 to 144	2.5	12	Dry	18.5	310	4000	1300	8000
GDCF*xx	108 to 144	2.5	12	Filled	18.5	325	4000	1300	8900

Ordering Information

Fiber Type/Count	Dry Core					Filled Core				
	6	12	18	24	36	6	12	18	24	36
62.5/125-OM1	GBCG106	GBCG112	GBCG118	GBCG124	GBCG136	GDCG106	GDCG112	GDCG118	GDCG124	GDCG136
50/125-OM2	GBCG206	GBCG212	GBCG218	GBCG224	GBCG236	GDCG206	GDCG212	GDCG218	GDCG224	GDCG236
50/125-OM3	GBCGD06	GBCGD12	GBCGD18	GBCGD24	GBCGD36	GDCGD06	GDCGD12	GDCGD18	GDCGD24	GDCGD36
50/125-OM4	GBCGE06	GBCGE12	GBCGE18	GBCGE24	GBCGE36	GDCGE06	GDCGE12	GDCGE18	GDCGE24	GDCGE36
9/125 ITU G.652D	GBCG806	GBCG812	GBCG818	GBCG824	GBCG836	GDCG806	GDCG812	GDCG818	GDCG824	GDCG836
9/125 ITU G.655 C & D	GBCG706	GBCG712	GBCG718	GBCG724	GBCG736	GDCG706	GDCG712	GDCG718	GDCG724	GDCG736
Std. plywood reel (non-returnable)	Ø 1250 x 688 mm, Weight 93.0 kg					Ø 1250 x 688 mm, Weight 93.0 kg				
Std. delivery length	2100 ± 100 m					2100 ± 100 m				

Fiber Type/Count	Dry Core						Filled Core					
	12	24	36	48	60	72	12	24	36	48	60	72
62.5/125-OM1	GBCD112	GBCD124	GBCD136	GBCD148	GBCD160	GBCD172	GDCD112	GDCD124	GDCD136	GDCD148	GDCD160	GDCD172
50/125-OM2	GBCD212	GBCD224	GBCD236	GBCD248	GBCD260	GBCD272	GDCD212	GDCD224	GDCD236	GDCD248	GDCD260	GDCD272
50/125-OM3	GBCDD12	GBCDD24	GBCDD36	GBCDD48	GBCDD60	GBCDD72	GDCDD12	GDCDD24	GDCDD36	GDCDD48	GDCDD60	GDCDD72
50/125-OM4	GBUDE12	GBUDE24	GBUDE36	GBUDE48	GBUDE60	GBUDE72	GDCDE12	GDCDE24	GDCDE36	GDCDE48	GDCDE60	GDCDE72
9/125 ITU G.652D	GBCD812	GBCD824	GBCD836	GBCD848	GBCD860	GBCD872	GDCD812	GDCD824	GDCD836	GDCD848	GDCD860	GDCD872
9/125 ITU G.655 C & D	GBCD712	GBCD724	GBCD736	GBCD748	GBCD760	GBCD772	GDCD712	GDCD724	GDCD736	GDCD748	GDCD760	GDCD772
Std. plywood reel (non-returnable)	Ø 1250 x 688 mm, Weight 93.0 kg						Ø 1250 x 688 mm, Weight 93.0 kg					
Std. delivery length	2100 ± 100 m						2100 ± 100 m					

Ordering Information

Fiber Type/Count	Dry Core		Filled Core	
	96	144	96	144
62.5/125-OM1	GBCE196	GBCF144	GDCE196	GDCF144
50/125-OM2	GBCE296	GBCF244	GDCE296	GDCF244
50/125-OM3	GBCED96	GBCFD44	GDCE96	GDCF44
50/125-OM4	GBCEE96	GBCFE44	GDCEE96	GDCFE44
9/125 ITU G.652D	GBCE896	GBCF844	GDCE896	GDCF844
9/125 ITU G.655 C & D	GBCE796	GBCF744	GDCE796	GDCF744
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		
7	Orange	17	Violet + ring	No.	
8	Black	18	Pink + ring	1	Red
9	Grey	19	Orange + ring	2	Green
10	Brown	20	Black + ring	3 to 12	White