

## Universal Multi Loose Tube Cable with Corrugated Steel Tape, Single Jacket

GCCG, GCCD, GCCE, GCCF

A/I-DQ(ZN)(SR)H



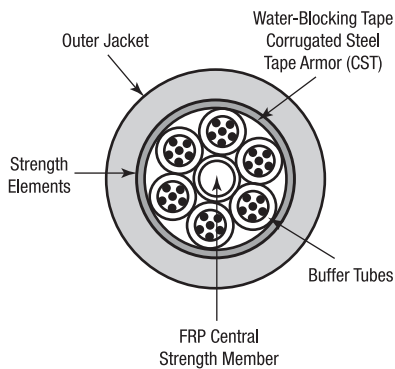
### Applications

- 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)
- High mechanical and full rodent protection provided by Corrugated Steel Tape (CST) armor
- 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 $\varnothing$
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 60332-3-22
Circuit Integrity:	IEC 60332-25, EN 50200
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	
GCCG*xx	6 to 36	1.9	6	Dry	10.5	160	1750	580	2100
GCCD*xx	12 to 72	2.5	12	Dry	12.0	200	2400	800	2900
GCCE*xx	84 to 96	2.5	12	Dry	15.4	250	2500	830	3100
GCCF*xx	108 to 144	2.5	12	Dry	18.5	330	4000	1300	6000

Ordering Information

Fiber Type/Count	Dry Core				
	6	12	18	24	36
62.5/125-OM1	GCCG106	GCCG112	GCCG118	GCCG124	GCCG136
50/125-OM2	GCCG206	GCCG212	GCCG218	GCCG224	GCCG236
50/125-OM3	GCCGD06	GCCGD12	GCCGD18	GCCGD24	GCCGD36
50/125-OM4	GCCGE06	GCCGE12	GCCGE18	GCCGE24	GCCGE36
9/125 ITU G.652D	GCCG806	GCCG812	GCCG818	GCCG824	GCCG836
9/125 ITU G.655 C & D	GCCG706	GCCG712	GCCG718	GCCG724	GCCG736
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	GCCD112	GCCD124	GCCD136	GCCD148	GCCD160	GCCD172
50/125-OM2	GCCD212	GCCD224	GCCD236	GCCD248	GCCD260	GCCD272
50/125-OM3	GCCDD12	GCCDD24	GCCDD36	GCCDD48	GCCDD60	GCCDD72
50/125-OM4	GCCDE12	GCCDE24	GCCDE36	GCCDE48	GCCDE60	GCCDE72
9/125 ITU G.652D	GCCD812	GCCD824	GCCD836	GCCD848	GCCD860	GCCD872
9/125 ITU G.655 C & D	GCCD712	GCCD724	GCCD736	GCCD748	GCCD760	GCCD772
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	GCCE196	GCCF144
50/125-OM2	GCCE296	GCCF244
50/125-OM3	GCCE96	GCCFD44
50/125-OM4	GCCEE96	GCCFE44
9/125 ITU G.652D	GCCE896	GCCF844
9/125 ITU G.655 C & D	GCCE796	GCCF744
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	<b>Tube Color Coding</b>	
6	Pink	16	Yellow + ring	<b>No.</b>	
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		