

Universal Central Loose Tube Cable with Fiber Reinforced Plastic Armor, Single Jacket

GUFN, GUFB

A/I-DQBH



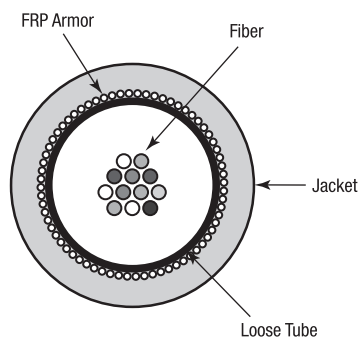
Applications

- For outdoor and indoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling
- For outdoor and indoor use in networks for industrial, 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 4 to 24 fibers
- Jelly filled (non-dripping and silicon-free) loose tube with primary coated optical fibers ($\varnothing 250 \pm 15 \mu\text{m}$)
- High mechanical and full rodent protection provided by Fiber Reinforced Plastic (FRP) armor
- These cables are all dielectric and therefore immune to lightning and electromagnetic interference (EMC-safe), spark-free and require no grounding
- Halogen Free jacket
- Length marking in meters for easy determination of the cable length

Cross Section



Specifications

IEC 60794-1-2	
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:	
- GUFN	IEC 60332-1
- GUFB	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 (mm)	FRP Diameter (mm)	Weight (kg/km)	Crush Resistance (kN/m)	Tensile Strength (short term) N	Tensile Strength (permanent) N	Fire Load (kJ/m)
IEC 60794-1-2						E1	E1	
GUFN*xx	4 to 24	7.4	1.0	62	45	3250	1100	1030
GUFB*xx	4 to 24	9.0	1.0	110	50	4000	1300	1370

Ordering Information

Fiber Type/Count	4	6	8	12	16	24
GUFN						
62.5/125-OM1	GUFN104	GUFN106	GUFN108	GUFN112	GUFN116	GUFN124
50/125-OM2	GUFN204	GUFN206	GUFN208	GUFN212	GUFN216	GUFN224
50/125-OM3	GUFND04	GUFND06	GUFND08	GUFND12	GUFND16	GUFND24
50/125-OM4	GUFNE04	GUFNE06	GUFNE08	GUFNE12	GUFNE16	GUFNE24
9/125 ITU G.652D	GUFN804	GUFN806	GUFN808	GUFN812	GUFN816	GUFN824
9/125 ITU G.655 C & D	GUFN704	GUFN706	GUFN708	GUFN712	GUFN716	GUFN724
Std. plywood reel (non-returnable)	Ø 1000 x 588 mm, Weight 50.0 kg					
Std. delivery length	2100 ± 100 m					
GUFB						
62.5/125-OM1	GUFB104	GUFB106	GUFB108	GUFB112	GUFB116	GUFB124
50/125-OM2	GUFB204	GUFB206	GUFB208	GUFB212	GUFB216	GUFB224
50/125-OM3	GUFBD04	GUFBD06	GUFBD08	GUFBD12	GUFBD16	GUFBD24
50/125-OM4	GUFBE04	GUFBE06	GUFBE08	GUFBE12	GUFBE16	GUFBE24
9/125 ITU G.652D	GUFB804	GUFB806	GUFB808	GUFB812	GUFB816	GUFB824
9/125 ITU G.655 C & D	GUFB704	GUFB706	GUFB708	GUFB712	GUFB716	GUFB724
Std. plywood reel (non-returnable)	Ø 1250 x 688 mm, Weight 93.0 kg					
Std. delivery length	2100 ± 100 m					

Fiber Color Coding

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