

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

GUWN, GUWB

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



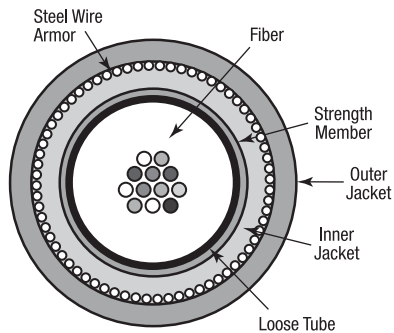
Applications

- 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 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

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:	
- GUWN	IEC 60332-3-25
- GUWB	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)	Steel Wire 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	
GUWN*xx	4 to 24	9.6	0.6	155	45	1250	420	1500
GUWB*xx	4 to 24	13.8	0.9	325	50	3750	1250	2625

Ordering Information

Fiber Type/Count	4	6	8	12	16	24
GUWN						
62.5/125-OM1	GUWN104	GUWN106	GUWN108	GUWN112	GUWN116	GUWN124
50/125-OM2	GUWN204	GUWN206	GUWN208	GUWN212	GUWN216	GUWN224
50/125-OM3	GUWND04	GUWND06	GUWND08	GUWND12	GUWND16	GUWND24
50/125-OM4	GUWNE04	GUWNE06	GUWNE08	GUWNE12	GUWNE16	GUWNE24
9/125 ITU G.652D	GUWN804	GUWN806	GUWN808	GUWN812	GUWN816	GUWN824
9/125 ITU G.655 C & D	GUWN704	GUWN706	GUWN708	GUWN712	GUWN716	GUWN724
Std. plywood reel (non-returnable)	Ø 1000 x 588 mm, Weight 50.0 kg					
Std. delivery length	2100 ± 100 m					
GUWB						
62.5/125-OM1	GUWB104	GUWB106	GUWB108	GUWB112	GUWB116	GUWB124
50/125-OM2	GUWB204	GUWB206	GUWB208	GUWB212	GUWB216	GUWB224
50/125-OM3	GUWBD04	GUWBD06	GUWBD08	GUWBD12	GUWBD16	GUWBD24
50/125-OM4	GUWBE04	GUWBE06	GUWBE08	GUWBE12	GUWBE16	GUWBE24
9/125 ITU G.652D	GUWB804	GUWB806	GUWB808	GUWB812	GUWB816	GUWB824
9/125 ITU G.655 C & D	GUWB704	GUWB706	GUWB708	GUWB712	GUWB716	GUWB724
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