

Universal Central Loose Tube Cable
with Rodent Protection, Single Jacket

GUSN, GUSL, GURN, GUVN

A/I-DQ(ZN)BH



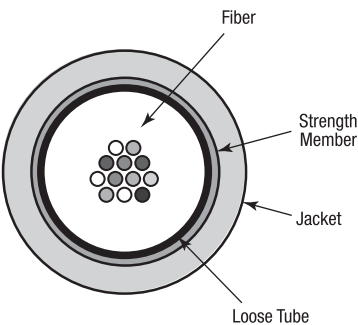
Applications

- For outdoor and indoor use in structured (data) wiring systems such as campus backbone
- 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 24 fibers
- Jelly filled (non-dripping and silicon-free) loose tube with primary coated optical fibers (Ø 250 ± 15 µm)
- Full dielectric construction, no grounding required
- 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 Installation (Short Term):	15 kN/m
Min. Bend Radius installation (E6):	20 x Ø
Min. Bend Radius operation (E11):	10 x Ø
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:	
– GUSN, GURN, GUVN	IEC 60332-1
– GUSL	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)	Weight (kg/km)	Tensile Strength (short term) N	Tensile Strength (permanent) N	Fire Load (kJ/m)
IEC 60794-1-2				E1	E1	
GUSN*xx	2 to 24	5.8	37	1250	420	550
GUSL*xx	2 to 24	6.5	47	1250	420	580
GURN*xx	2 to 24	7.1	55	3000	1000	755
GUVN*xx	2 to 24	7.8	67	4000	1300	928

Ordering Information

Fiber Type/Count	2	4	6	8	12	16	24
GUSN							
62.5/125-OM1	GUSN102	GUSN104	GUSN106	GUSN108	GUSN112	GUSN116	GUSN124
50/125-OM2	GUSN202	GUSN204	GUSN206	GUSN208	GUSN212	GUSN216	GUSN224
50/125-OM3	GUSND02	GUSND04	GUSND06	GUSND08	GUSND12	GUSND16	GUSND24
50/125-OM4	GUSNE02	GUSNE04	GUSNE06	GUSNE08	GUSNE12	GUSNE16	GUSNE24
9/125 ITU G.652D	GUSN802	GUSN804	GUSN806	GUSN808	GUSN812	GUSN816	GUSN824
9/125 ITU G.655 C & D	GUSN702	GUSN704	GUSN706	GUSN708	GUSN712	GUSN716	GUSN724
GUSL							
62.5/125-OM1	GUSL102	GUSL104	GUSL106	GUSL108	GUSL112	GUSL116	GUSL124
50/125-OM2	GUSL202	GUSL204	GUSL206	GUSL208	GUSL212	GUSL216	GUSL224
50/125-OM3	GUSLD02	GUSLD04	GUSLD06	GUSLD08	GUSLD12	GUSLD16	GUSLD24
50/125-OM4	GUSLE02	GUSLE04	GUSLE06	GUSLE08	GUSLE12	GUSLE16	GUSLE24
9/125 ITU G.652D	GUSL802	GUSL804	GUSL806	GUSL808	GUSL812	GUSL816	GUSL824
9/125 ITU G.655 C & D	GUSL702	GUSL704	GUSL706	GUSL708	GUSL712	GUSL716	GUSL724
GURN							
62.5/125-OM1	GURN102	GURN104	GURN106	GURN108	GURN112	GURN116	GURN124
50/125-OM2	GURN202	GURN204	GURN206	GURN208	GURN212	GURN216	GURN224
50/125-OM3	GURND02	GURND04	GURND06	GURND08	GURND12	GURND16	GURND24
50/125-OM4	GURNE02	GURNE04	GURNE06	GURNE08	GURNE12	GURNE16	GURNE24
9/125 ITU G.652D	GURN802	GURN804	GURN806	GURN808	GURN812	GURN816	GURN824
9/125 ITU G.655 C & D	GURN702	GURN704	GURN706	GURN708	GURN712	GURN716	GURN724
GUVN							
62.5/125-OM1	GUVN102	GUVN104	GUVN106	GUVN108	GUVN112	GUVN116	GUVN124
50/125-OM2	GUVN202	GUVN204	GUVN206	GUVN208	GUVN212	GUVN216	GUVN224
50/125-OM3	GUVND02	GUVND04	GUVND06	GUVND08	GUVND12	GUVND16	GUVND24
50/125-OM4	GUVNE02	GUVNE04	GUVNE06	GUVNE08	GUVNE12	GUVNE16	GUVNE24
9/125 ITU G.652D	GUVN802	GUVN804	GUVN806	GUVN808	GUVN812	GUVN816	GUVN824
9/125 ITU G.655 C & D	GUVN702	GUVN704	GUVN706	GUVN708	GUVN712	GUVN716	GUVN724
GUSN • GURN • GUVN							
Std. plywood reel (non-returnable)			Ø 800 x 475 mm, Weight 7.65 kg and Ø 1000 x 530 mm, Weight 18.0 kg				
Std. delivery length			2100 ± 100 m and 4100 ± 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