

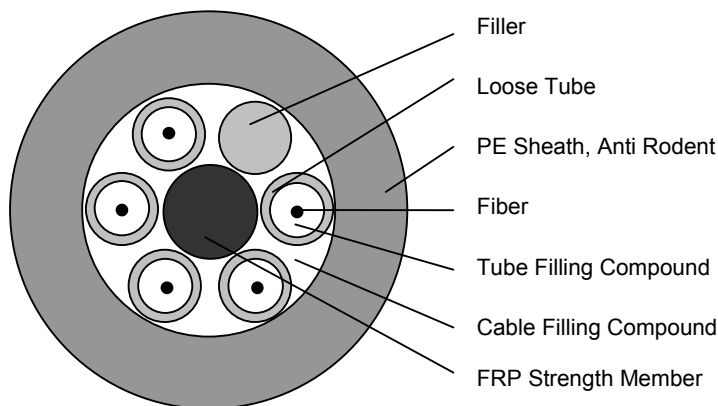
Part No. UNAYFRMXX



Cable Description

The fibers, either of single-mode or multimode type, are placed in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. A piece of Fiber Reinforce Plastic (FRP) sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a non-metallic strength member. The tubes (and fillers) are stranded around the stranded member into a compact and circular cable core. After the cable core is filled with the filling compound to protect it from water ingress, the cable is completed with a PE sheath.

Cable Cross Section



Application

Aerial

Cable Information

Non-metallic Central Strength Member
Y Sheath Cable

UNAYFRMXX

Cable Characteristics

- Accurate fiber excess length ensures good performance of tensile strength and temperature
- High strength loose tube that is hydrolysis resistant and special tube filling compound ensure a critical protection of fiber
- PE Sheath protect cable from ultraviolet radiation, Anti Rodent
- The following measures are taken to ensure the cable watertight:
 1. Single FRP used as the central strength member
 2. Special Loose tube filling compound
 3. Complete cable core filling
- **Bending Radius:**
 - Static: 10D (Diameter of cable)
 - Dynamic: 20D (Diameter of cable)

Part Number Information

UNAYFRMXX

X = Type of Fiber Core (as Below Table)

X = Fiber Count (2 ~ 144)

X	Type Of Fiber Core
050	GIMM50
062	GIMM62
550	Max Band 550MM
150	Max Band 150MM
300	Max Band 300MM
100	LCMM100
200	LCMM200
50H	HBGIMM50
62H	HBGIMM62
FL	FLWPSM
09	MCSM
HC	HCLSDSSM
LH	LEAHCPDSSM
DS	DSSM
PD	PDSMM

UNAYFRMXX

Cable Parameters

Cable Type (Increased by 2 fiber)	Fiber Count	FRP mm	PE Sheathed FRP mm	Loose Tube Size mm	Tubes	Fillers	Cable Diameter mm	Cable Weight Kg/Km	Strength Long/Short Term N
UNAYFRMxx	4~6	2.8	/	1.5/2.1	1	6	11.2	120	600/1500
UNAYFRMxx	8~12	2.8	/	1.5/2.1	2	5	11.2	120	600/1500
UNAYFRMxx	14~18	2.8	/	1.5/2.1	3	4	11.2	120	600/1500
UNAYFRMxx	20~24	2.8	/	1.5/2.1	4	3	11.2	120	600/1500
UNAYFRMxx	26~30	2.8	/	1.5/2.1	5	2	11.2	120	600/1500
UNAYFRMxx	32~36	2.8	/	1.5/2.1	6	1	12.5	120	600/1500
UNAYFRMxx	38~42	3.7	/	1.5/2.1	7	1	12.5	140	1000/3000
UNAYFRMxx	44~48	3.7	/	1.5/2.1	8	0	12.5	140	1000/3000
UNAYFRMxx	50~60	2.8	/	2.0/2.6	5	1	12.5	138	600/1500
UNAYFRMxx	62~72	2.8	/	2.0/2.6	6	0	12.5	138	600/1500
UNAYFRMxx	74~84	3.7	4.5	2.0/2.6	7	1	13.6	169	1000/3000
UNAYFRMxx	86~96	3.7	4.5	2.0/2.6	8	0	13.6	169	1000/3000
UNAYFRMxx	98~108	3.7	6.1	2.0/2.6	9	1	15.6	213	1000/3000
UNAYFRMxx	110~120	3.7	6.1	2.0/2.6	10	0	15.6	213	1000/3000
UNAYFRMxx	122~132	3.7	8.1	2.0/2.6	11	1	17.5	265	1000/3000
UNAYFRMxx	134~144	3.7	8.1	2.0/2.6	12	0	17.5	265	1000/3000

Crush Resistance Strength Long/Short Term: 300 / 3000 N