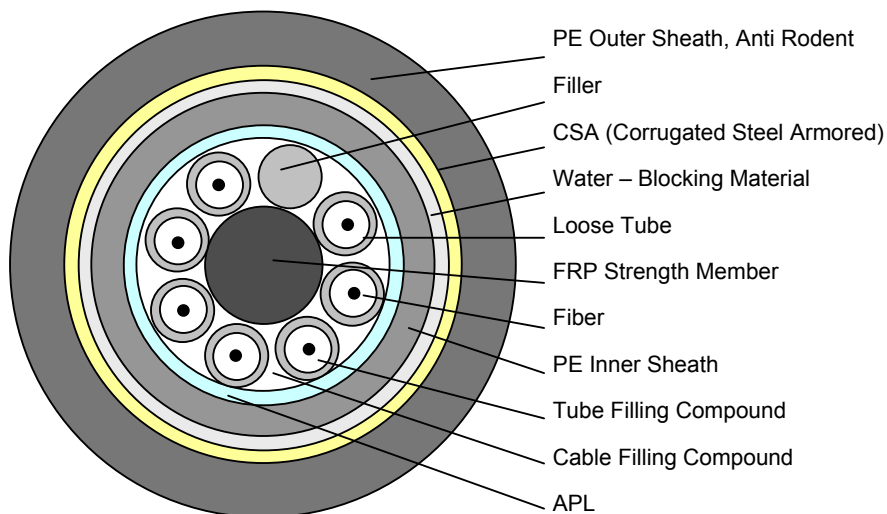


Part No. UCSYDFMXX

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. The Cable core is filled with the filling compound to protect it from water ingress, over which a thin PE inner sheath is applied. After the CSA (Corrugated Steel Armored) is longitudinally applied over the inner sheath, the cable is completed with a PE outer sheath.

Cable Cross Section



Application

Aerial, Duct, Direct Buried

UCSYDFMXX

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
- Crush resistance and flexibility.
- 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
 4. CSA for enhancing moisture-proof
 5. Water-blocking material
- **Bending Radius:**
 - Static: 10D (Diameter of cable)
 - Dvnamic: 20D (Diameter of cable)

Part Number Information

UCSYDFMXX

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

Cable Information

Non-metallic Central Strength Member
 Corrugated Steel Armored Cable
 Y Sheath

UCSYDFMXX

Cable Parameters

Cable Type (Increased by 2 fiber)	Fiber Count	PE Sheathed FRP mm	Loose Tube Size mm	Tubes	Fillers	Cable Diameter mm	Cable Weight Kg/Km
UCSYDFMxx	4~6	/	1.5/2.1	1	7	15.8	240
UCSYDFMxx	8~12	/	1.5/2.1	2	6	15.8	240
UCSYDFMxx	14~18	/	1.5/2.1	3	5	15.8	240
UCSYDFMxx	20~24	/	1.5/2.1	4	4	15.8	240
UCSYDFMxx	26~30	/	1.5/2.1	5	3	15.8	240
UCSYDFMxx	32~36	/	1.5/2.1	6	2	15.8	240
UCSYDFMxx	38~42	/	1.5/2.1	7	1	15.8	240
UCSYDFMxx	44~48	/	1.5/2.1	8	0	15.8	240
UCSYDFMxx	50~60	4.5	2.0/2.6	5	3	16.8	294
UCSYDFMxx	62~72	4.5	2.0/2.6	6	2	16.8	294
UCSYDFMxx	74~84	4.5	2.0/2.6	7	1	16.8	294
UCSYDFMxx	86~96	4.5	2.0/2.6	8	0	16.8	294
UCSYDFMxx	98~108	6.1	2.0/2.6	9	1	18.9	350
UCSYDFMxx	110~120	6.1	2.0/2.6	10	0	18.9	350
UCSYDFMxx	122~132	6.1	2.0/2.6	11	1	21.5	431
UCSYDFMxx	134~144	6.1	2.0/2.6	12	0	21.5	431

FRP: 3.7 mm

Strength Long/Short Term : 1000 / 3000 N

Crush Resistance Strength Long/Short Term: 1000 / 3000 N