

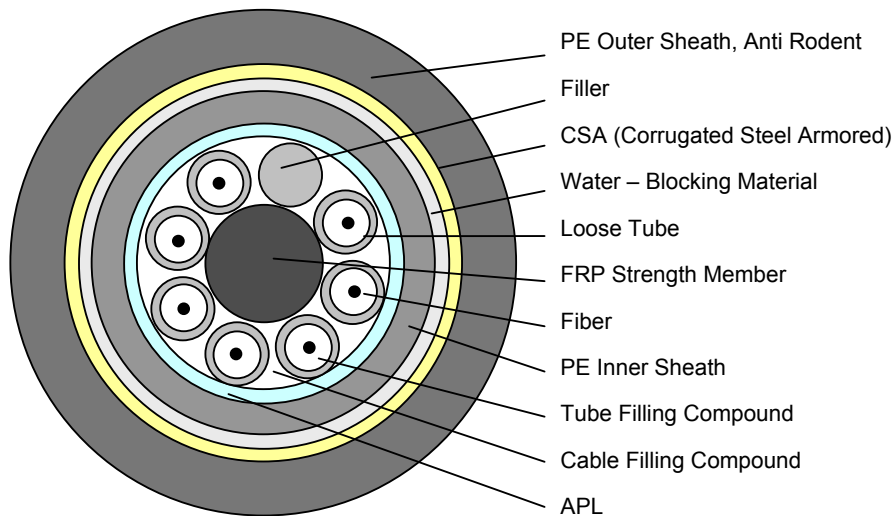
Part No. UCSADFMXX



Cable Description

The fibers, either of single-mode or multimode type, are positioned 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. Tubes (and fillers) are stranded around the stranded member into a compact and circular cable core. An Aluminum Polyethylene Laminate (APL) is applied around the cable core, which is filled with the filling compound to protect it from water ingress. Then the cable core is covered with a thin PE inner sheath. 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

UCSADFMXX

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. Water-blocking material
- **Bending Radius:**
 - Static: 10D (Diameter of cable)
 - Dynamic: 20D (Diameter of cable)

Part Number Information

UCSADFMXX

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
 A Sheath

UCSADFMXX

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
UCSADFMxx	4~6	/	1.5/2.1	1	7	16.8	278
UCSADFMxx	8~12	/	1.5/2.1	2	6	16.8	278
UCSADFMxx	14~18	/	1.5/2.1	3	5	16.8	278
UCSADFMxx	20~24	/	1.5/2.1	4	4	16.8	278
UCSADFMxx	26~30	/	1.5/2.1	5	3	16.8	278
UCSADFMxx	32~36	/	1.5/2.1	6	2	16.8	278
UCSADFMxx	38~42	/	1.5/2.1	7	1	16.8	278
UCSADFMxx	44~48	/	1.5/2.1	8	0	16.8	278
UCSADFMxx	50~60	4.5	2.0/2.6	5	3	18.9	342
UCSADFMxx	62~72	4.5	2.0/2.6	6	2	18.9	342
UCSADFMxx	74~84	4.5	2.0/2.6	7	1	18.9	342
UCSADFMxx	86~96	4.5	2.0/2.6	8	0	18.9	342
UCSADFMxx	98~108	4.5	2.0/2.6	9	1	21.5	400
UCSADFMxx	110~120	4.5	2.0/2.6	10	0	21.5	400
UCSADFMxx	122~132	4.5	2.0/2.6	11	1	22.3	470
UCSADFMxx	134~144	4.5	2.0/2.6	12	0	22.3	470

FRP: 3.7 mm

Strength Long/Short Term : 1000 N/100mm

Crush Resistance Strength Long/Short Term: 1000 N/100mm