

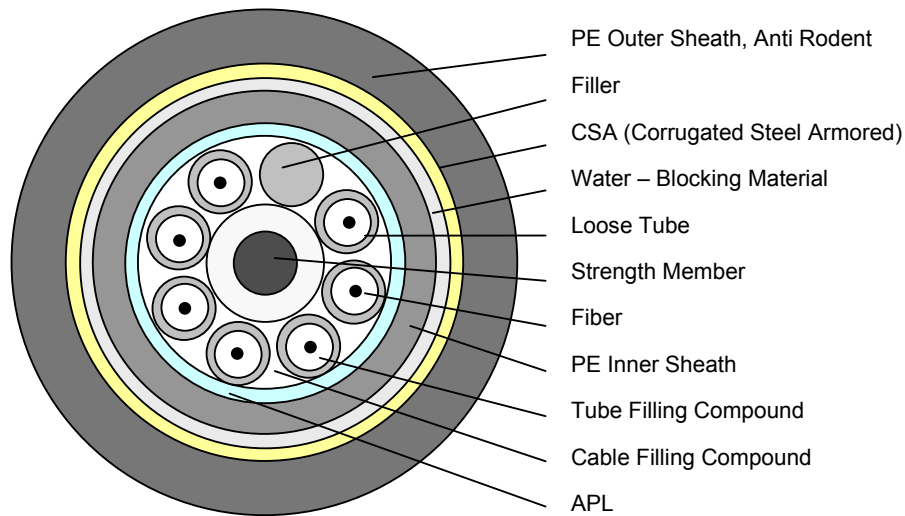
Part No. UCSAPDMXX



Cable Description

The fibers, either of single-mode or multimode type, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as strength member. Tubes (and fillers) are stranded around the strength 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 is longitudinally applied over the inner sheath, the cable is completed with a PE outer sheath.

Cable Cross Section



Application

Aerial, Duct, Direct Buried

UCSAPDMXX

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. APL moisture barrier
 5. CSA moisture-proof
 6. Water-blocking material
- **Bending Radius:**
 - Static: 10D (Diameter of cable)
 - Dvynamic: 20D (Diameter of cable)

Part Number Information

UCSAPDMXX

X = Type of Fiber Core (as Below Table)

X = Fiber Count (2 ~ 216)

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	HGIMM50
62H	HGIMM62
FL	FLWPSM
09	MCSM
HC	HCLSDSSM
LH	LEAHCPDSSM
DS	DSSM
PD	PDSMM

Cable Information

Corrugated Steel Armored Cable
A Sheath

UCSAPDMXX

Cable Information

Corrugated Steel Armored Cable
A Sheath

Cable Parameters

Cable Type (Increased by 2 fiber)	Fiber Count	PE Sheathed Steel Wire mm	Loose Tube Size mm	Tubes	Fillers	Cable Diameter mm	Cable Weight kg/km
UCSAPDMXX	4-6	/	1.5/2.1	1	5	14.8	256
UCSAPDMXX	8-12	/	1.5/2.1	2	4	14.8	256
UCSAPDMXX	14-18	/	1.5/2.1	3	3	14.8	256
UCSAPDMXX	20-24	/	1.5/2.1	4	2	14.8	256
UCSAPDMXX	26-30	/	1.5/2.1	5	1	14.8	256
UCSAPDMXX	32-36	/	1.5/2.1	6	0	14.8	256
UCSAPDMXX	38-42	3.7	1.5/2.1	7	1	16.8	304
UCSAPDMXX	44-48	3.7	1.5/2.1	8	0	16.8	304
UCSAPDMXX	50-60	2.8	2.0/2.6	5	1	16.8	306
UCSAPDMXX	62-72	2.8	2.0/2.6	6	0	16.8	306
UCSAPDMXX	74-84	4.3	2.0/2.6	7	1	18.9	366
UCSAPDMXX	86-96	4.3	2.0/2.6	8	0	18.9	366
UCSAPDMXX	98-108	6.1	2.0/2.6	9	1	21.5	429
UCSAPDMXX	110-120	6.1	2.0/2.6	10	0	21.5	429
UCSAPDMXX	122-132	8.0	2.0/2.6	11	1	22.3	488
UCSAPDMXX	134-144	8.0	2.0/2.6	12	0	22.3	488
UCSAPDMXX	146-216					22.3	500

Steel Wire: 2.25 mm

Strength Long/Short Term : 1000 /3000 N

Crush Resistance: 3000N/100 mm