

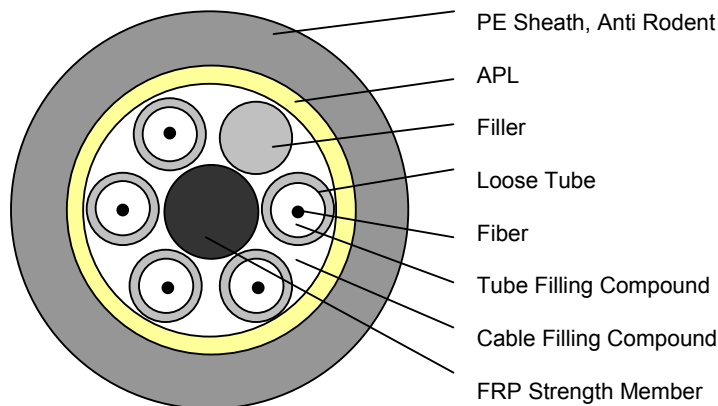
# Part No. UNMAPXX



### 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. Tubes (and fillers) are stranded around the stranded member into a compact and circular cable core. After an Aluminum Polyethylene Laminate (APL) moisture barrier is applied around the cable core, the cable is completed with a Polyethylene PE sheath.

### Cable Cross Section



### Application

Duct, Aerial, Direct Buried

### Cable Information

Stranded Loose Tube  
Non-metallic Strength Member Cable

# UNMAPXX

## 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
- Specially designed compact structure is good at preventing loose from shrinking
- Crush resistance and flexibility
- The following measures are taken to ensure the cable watertight:
  1. Single Fiber Reinforce Plastic as the central strength member
  2. Loose tube filling compound
  3. 100% cable core filling
  4. APL for enhancing moisture-proof
- **Bending Radius:**
  - Static: 10D (Diameter of cable)
  - Dvnamic: 20D (Diameter of cable)

## Part Number Information

### UNMAPXX

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

# UNMAPXX



## 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
UNMAPxx	4~6	2.8	/	1.5/2.1	1	6	12.0	125	600/1500
UNMAPxx	8~12	2.8	/	1.5/2.1	2	5	12.0	125	600/1500
UNMAPxx	14~18	2.8	/	1.5/2.1	3	4	12.0	125	600/1500
UNMAPxx	20~24	2.8	/	1.5/2.1	4	3	12.0	125	600/1500
UNMAPxx	26~30	2.8	/	1.5/2.1	5	2	12.0	125	600/1500
UNMAPxx	32~36	2.8	/	1.5/2.1	6	1	12.0	125	600/1500
UNMAPxx	38~42	3.7	/	1.5/2.1	7	1	12.8	144	1000/3000
UNMAPxx	44~48	3.7	/	1.5/2.1	8	0	12.8	144	1000/3000
UNMAPxx	50~60	2.8	/	2.0/2.6	5	1	12.8	140	600/1500
UNMAPxx	62~72	2.8	/	2.0/2.6	6	0	12.8	140	600/1500
UNMAPxx	74~84	3.7	4.5	2.0/2.6	7	1	14.6	182	1000/3000
UNMAPxx	86~96	3.7	4.5	2.0/2.6	8	0	14.6	182	1000/3000
UNMAPxx	98~108	3.7	6.1	2.0/2.6	9	1	17.0	238	1000/3000
UNMAPxx	110~120	3.7	6.1	2.0/2.6	10	0	17.0	238	1000/3000
UNMAPxx	122~132	3.7	8.1	2.0/2.6	11	1	19.5	294	1000/3000
UNMAPxx	134~144	3.7	8.1	2.0/2.6	12	0	19.5	294	1000/3000

**Storing Temperature:** -40°C to +70°C

**Operating Temperature:** -30°C to +70°C

**Bending Radius:** Static 10 X D, Dynamic 20 X D

**Crush Resistance Strength Long/Short Term:** 300 / 1000 N / 100 mm

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