

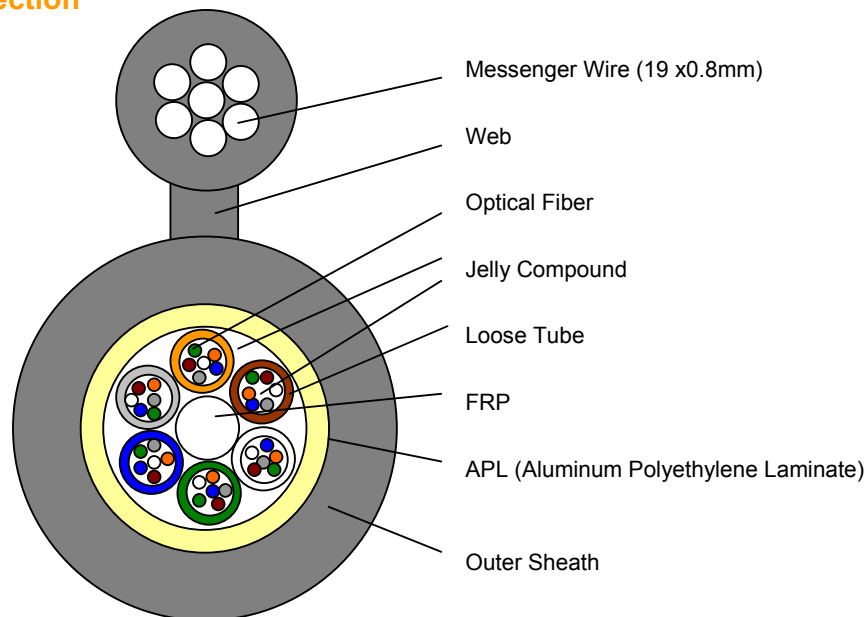
# Part No. UAL-MW-XX



### Cable Description

The fibers, either of single-mode or multimode type, are placed in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire locates in the center of core as a metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular cable core. After an APL (Aluminum Polyethylene Laminate) moisture barrier is applied around the cable core this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene sheath to be figure 8 structures. This kind of cable is specifically applied for self-supporting aerial installation.

### Cable Cross Section



### Application

Aerial

# UAL-MW-XX

## Cable Information

If Number of cores will be  $36 < x \leq 96$  then:

1. Messenger wire change to 7x1.2 mm
2. Number of fiber/ tube will be change

## Part Number Information

### UAL-MW-XX

X = Type of Fiber Core (as Below Table)

X = Fiber Count (2 ~ 36)

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 Characteristics

- Accurate fiber excess length ensures good performance of tensile strength and temperature
- High strength loose tube and special tube filling compound to ensure a critical protection of fiber
- The following measures are taken to ensure the cable watertight:
  1. Single steel wire used as the central strength member
  2. Loose tube filling compound
  3. 100% cable core filling
  4. Coated Aluminum tape for enhancing moisture-proof
- **Bending Radius:**
  - Static: 10D (Diameter of cable)
  - Dynamic: 20D (Diameter of cable)

# UAL-MW-XX



## Cable Parameters

Cable Type (Increased by 2 fiber)	Fiber Count	Tubes	Fillers	Cable Diameter mm	Cable Weight Kg/km
UAL-MW-xx	4~6	1	5	11.3/22.3	270
UAL-MW-xx	8~14	2	4	11.3/22.3	270
UAL-MW-xx	14~18	3	3	11.3/22.3	270
UAL-MW-xx	20~24	4	2	11.3/22.3	270
UAL-MW-xx	26~30	5	1	11.3/22.3	270
UAL-MW-xx	32~36	6	0	11.3/22.3	270

**Steel Wire:** 2.25 mm

**Suspension Stranding Wire:** 2.4 (19 X 0.8) mm

**Loose Tube Size:** 1.5/2.1 mm

**Space Depth X Width:** 3.0 x 4.0 mm

**Strength Long/Short Term:** 1000/3000 N