

# METALLIC AERIAL SELF-SUPPORTING CABLE (MASS)

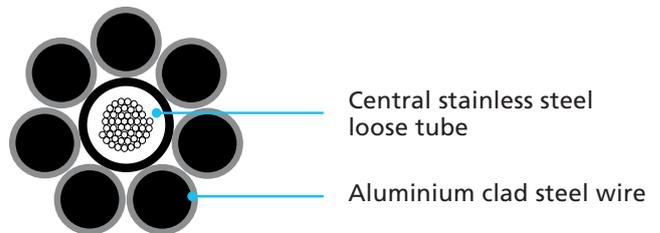
Metallic Aerial Self-Supporting (MASS) cable is an alternative solution used for installing optical cable on medium and high voltage power lines. It is typically used when existing phase or ground wire replacement is not possible or uneconomical. MASS cable is a compact, light-weight solution with no electrical function, designed to provide a telecommunications path without interfering with the existing power lines or infrastructure. Its small size helps minimise loading on towers and poles, yet it is completely self-supporting to meet sag and tension requirements. It is typically installed in “under build” applications beneath the live phases.



## FEATURES

- Central stainless steel loose tube design
- Typical diameter between 9 and 12 mm
- Fibre counts up to 96
- No voltage limit – suitable for medium and high voltage lines
- Suitable for use on lines without a ground wire
- Convenient means to add fibre where OPGW is already installed
- Deployed in regions with high lightning activity
- Can be installed without an outage
- Small cable size limits additional structural loading
- Suitable for wooden poles with universal attachment
- Aluminium Clad, Aluminium Alloy or Galvanised Steel wire options available depending on mechanical properties required

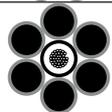
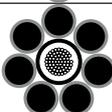
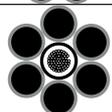
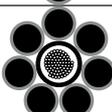
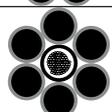
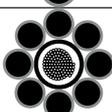
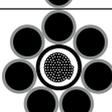
## CABLE COMPONENTS



## TYPICAL DESIGNS

OPGW TYPE	MAXIMUM FIBRE COUNT	CROSS SECTION	DIAMETER (mm)	RTS (kN)	WEIGHT (kg/km)
ASLH-D(S)b 24 SMF (A20SA 28 - 2.4)	24		7,5	35,4	207
ASLH-D(S)b 24 SMF (A20SA 42 - 3.6)	24		9,0	54,0	303
ASLH-D(S)b 30 SMF (A20SA 34 - 2.9)	30		8,3	43,7	253
ASLH-D(S)b 30 SMF (A20SA 50 - 4.2)	30		9,8	63,4	355

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ASLH-D(S)b 36 SMF (A20SA 37 - 3.1)	36		8,6	47,3	275
ASLH-D(S)b 36 SMF (A20SA 54 - 4.6)	36		10,2	67,8	391
ASLH-D(S)b 48 SMF (A20SA 40 - 3.4)	48		9,0	51,0	298
ASLH-D(S)b 48 SMF (A20SA 58 - 4.9)	48		10,5	69,6	414
ASLH-D(S)b 60 SMF (A20SA 45 - 3.8)	60		9,5	56,8	331
ASLH-D(S)b 60 SMF (A20SA 66 - 5.6)	60		11,3	78,7	475
ASLH-D(S)b 72 SMF (A20SA 49 - 4.2)	72		10,0	63,0	369
ASLH-D(S)b 72 SMF (A20SA 75 - 6.4)	72		12,0	86,7	542
ASLH-D(S)b 96 SMF (A20SA 51 - 4.3)	96		10,3	65,0	388
ASLH-D(S)b 96 SMF (A20SA 67 - 5.7)	96		11,6	81,3	498

