

CONSTRUCTION:

Conductor	Stranded plain copper conductor, 18AWG
Insulation	Polyethylene
Colour code	2 cores: Red & Black 3 cores: Black, Red & White 4 cores: Black, Red, White & Green 6 cores: Black cores with number print
Quad	Core laid up in concentric layer
Assembly	Aluminium polyester shield, with stranded tinned copper drain wire, 24AWG
Outer Jacket	Extruded Grey Low Smoke Halogen Free thermoplastic material. Provided Rip Cord under sheath.
Printing Legend (Example)	TYPE CM CABLE SHIELDED 4C18AWG LSHF 75C MESC YEAR METER MARKING

TECHNICAL DATA:

Flame Retardance	IEC 60332-1
Temperature Range	- 5°C to 50°C (During installation) - 30°C to 75°C (During Operation)
Voltage Rating	300 Volts
Conductor Resistance at 20°C	≤ 22.5 Ω/Km (18 AWG)
Mutual Capacitance C/C (at 1KHz)	≤ 100 nF/km
Halogen Acid Gas (Outer Sheath)	≤ 0.5% (IEC 60754-1)
Max. Recommended Current	3.5 Ampere per conductor @ 25C

DIMENSIONS AND WEIGHT DETAILS:

MESC CODE	NO. OF CORES	NO. OF STRANDS	OUTER JACKET THICKNESS	APPROX. O.D.	APPROX. WEIGHT	BENDING RADIUS (mm)
1212-02C18AWG-U0GY8-H0	2	7	0.65	5.6	42	56
1212-03C18AWG-U0GY8-H0	3	7	0.65	6.0	54	60
1212-04C18AWG-U0GY8-H0	4	7	0.65	6.5	67	65
1212-06C18AWG-U0GY8-H0	6	7	0.65	7.6	91	76

Note: O.D. Tolerance of ±2.0 mm