

M E S C

SPECIALIZED CABLES COMPANY

FIRE ALARM CABLES SHIELDED

105°C (UL 1424)

POWER LIMITED FIRE PROTECTIVE SIGNALLING CIRCUIT CABLES 300V



28/07/2014

APPLICATION

: Can be used as a fixed wiring within buildings in accordance with NEC Article 760 Power Limited circuits.

CONSTRUCTION:

Conductor	Solid Annealed Bare copper as per ASTM B3.
Insulation	PVC rated 105°C.
Core color	Black & Red for 2 Cores Black, Red, Yellow & Blue for 4 Cores
Assembly/Shielding	Color coded insulated cores assembled & shielded with an Aluminum Mylar Tape in contact with a stranded tinned copper drain wire.
Jacket	Extruded Red Colored PVC jacket
Printing text (example)	TYPE FPLR (UL) E220988 2C14AWG SHIELDED 105 C MESC YEAR

TECHNICAL DATA:

NEC reference	760
NEC Type	FPLR
Flame retardance	UL1666 Vertical Riser
UV /Sunlight resistance (outer sheath)	Passes after 720 hrs (UL 1581)
Temperature Range	105°C
Operating Temperature range	-40°C to +105°C
Voltage Rating	300 Volts
Conductor Resistance at 20°C	≤ 13.77 Ω/Km (16AWG)
	≤ 21.8 Ω/Km (18AWG)
	≤ 8.62 Ω/Km (14AWG)
	≤ 5.41 Ω/Km (12AWG)
Voltage Test (UL 1424)	2500 V DC for 2 seconds

MESC CODE	NO. OF CORES	SIZE AWG	STRAND X Ø No. x mm	OUTER JACKET THICKNESS mm	OVERALL DIAMETER mm	APPROX WEIGHT kg/km	Jacket Color
4261-02C18AWG-U0RD8-00	2	18	1 X 1.02	0.48	4.4	31	Red
4261-02C16AWG-U0RD8-00	2	16	1 X 1.29	0.48	5.3	44	Red
4261-02C14AWG-U0RD8-00	2	14	1 X 1.63	0.48	6.5	75	Red
4261-02C12AWG-U0RD8-00	2	12	1 X 2.05	0.48	7.3	100	Red

MESC CODE	NO. OF CORES	SIZE AWG	STRAND X Ø No. x mm	OUTER JACKET THICKNESS mm	OVERALL DIAMETER mm	APPROX WEIGHT kg/km	Jacket Color
4261-04C18AWG-U0RD8-00	4	18	1X 1.02	0.48	5.1	57	Red
4261-04C16AWG-U0RD8-00	4	16	1X 1.29	0.48	5.8	72	Red
4261-04C14AWG-U0RD8-00	4	14	1X 1.63	0.58	8.2	140	Red