

M E S C

Middle East Specialized Cables
COMMUNICATION, AUDIO & CONTROL CABLES
PVC INSULATED SINGLE & MULTI PAIR UN-SHIELDED
 Temperature range 90°C



CONSTRUCTION:

Conductor	Tinned Copper to ASTM B-33 & Stranded to class C of ASTM B-8
Insulation	Flame retardant PVC.
Pairs	Two insulated conductors are uniformly twisted to form a pair with 40-60 mm twist lay.
Color Code	2 Pair – Black/Red, Black/White 3 Pair – Black/Red, Black/White, Black/Green
Cabling	Required numbers of twisted pairs are assembled with non-hygroscopic filler if necessary and the assembly is wrapped with a polyester binder tape.
Outer Jacket	Extruded GREY flame retardant PVC.
Printing on the Jacket (example)	TYPE CM 3PR18AWG MESC YEAR

TECHNICAL DATA:

Flame retardance	IEC 60332-1
Temperature Range	- 5°C to 50°C (During installation) - 20°C to 90°C (During Operation)
Voltage Rating	300 Volts
Conductor Resistance (UL13)	≤ 59 Ω/Km at 20°C (22 AWG) ≤ 23.4 Ω/Km at 20°C (18 AWG)
Mutual Capacitance (between conductors) (at 1KHz)	≤ 250 nF/Km
Capacitance (between conductor and shield) (at 1KHz)	≤ 490 nF/Km
Capacitance Unbalance (at 1kHz)	≤ 250 pF/250m
Voltage Test (UL 13)	2500 V DC for 2 seconds.

DIMENSIONAL DETAILS:

MESC Code	Pairs	Size	Insulation Thickness	Outer Jacket Thickness	Overall Diameter	Approx Weight
	No.	AWG	mm	mm	mm	Kg/Km
1121-02P18AWG-U0GY8-00	2	18	0.36	0.81	8.3	77
1121-03P18AWG-U0GY8-00	3	18	0.36	0.81	8.8	99

MESC Code	Pairs	Size	Insulation Thickness	Outer Jacket Thickness	Overall Diameter	Approx Weight
	No.	AWG	mm	mm	mm	Kg/Km
1121-01P22AWG-U0GY8-00	1	22	0.38	0.64	4.7	25
1121-03P22AWG-U0GY8-00	3	22	0.38	0.81	7.4	60

