

M E S C
Middle East Specialized Cables
COMMUNICATION CABLE RS 485
UL13



CONSTRUCTION:

Conductor	Stranded tinned copper.
Insulation	XLPE rated 90 C.
Pair colour code	Black & White cores with pair number printed on each core for multi-pair identification
Pairs	Two insulated conductors are uniformly twisted to form a pair with a suitable twist lay.
Pairing assembly	Pairs twisted with suitable lay are cabled and covered with a non-hygroscopic tape
Overall Shielding	Aluminium Mylar tape with a tinned copper drain wire. A tinned copper braid is applied over aluminium polyester tape.
Inner Jacket	Extruded Black PVC.
Armour	A serving of Galvanized round steel wire.
Outer Jacket	Extruded Grey PVC.
Printing Legend	RS485 TYPE PLTC 2PR22AWG SHIELDED (UL) E 192356 SWA DIR BUR SUN RES OIL RES I 90 C MESC YEAR 2PR22AWG METER MARKING

TECHNICAL DATA:

Flame retardance	Vertical-Tray Flame Tests to UL 1685
Operating Temperature	- 20°C to 90°C
Operating Voltage	300 V
Max. Cond. Resistance at 20°C (Ω/km)	59.7
Mutual Capacitance (at 1KHz)	Nominal 42 pF/m
Capacitance cod./shield	Nominal 75.6 pF/m
Impedance (Ω)	120 Ω+/-20
Nom. Velocity of propagation (%)	66

MESC CODE	PAIRS	NUMBER OF STRANDS	INNER JACKET THICKNESS	INNER JACKET DIAMETER	SWA Ø	OUTER JACKET THICKNESS	APPROX. OUTER JACKET O.D.	APPROX. WEIGHT
	Nos.	No.	mm	mm	mm	mm	mm	kg/km
1524-02P22AWG-W2GY8-42	2	7	1.27	13.7	1.25	1.65	19.8	656
1524-04P22AWG-W2GY8-42	4	7	1.27	15.8	1.25	1.65	21.9	773