

## LOW CAPACITANCE CABLES FOR RS 485 APPLICATION Standard: UL-13

<b>APPLICATION</b>	External Inter-connection of computer and electronic equipment where high levels of noise interference is anticipated. Also used for precision audio, pulse or R.F. signal transmission where low distortion and high speed data rates are required.
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### CONSTRUCTION:

<b>Conductor</b>	Stranded tinned copper.
<b>Insulation</b>	XLPE rated 90 C.
<b>Pair colour code</b>	Black & White cores with pair number printed on each core for multi-pair identification
<b>Pairing assembly</b>	Pairs twisted with suitable lay assembled and covered with a non-hygroscopic polyester binder tape
<b>Overall Shielding</b>	Aluminium Mylar tape with a tinned copper drain wire. A tinned copper braid is applied over aluminium polyester tape.
<b>Outer Jacket</b>	Extruded Grey colour PVC passes sunlight and oil resistant and flame test.
<b>Printing Legend</b>	RS485 TYPE PLTC 2PR22AWG SHIELDED (UL) E 192356 DIR BUR SUN RES OIL RES I 90 C MESC MONTH YEAR 2PR22AWG METER MARKING

### TECHNICAL DATA:

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

### DIMENSION AND WEIGHT:

SL/NO.	MESC Code	No. of Pairs (P)	No. of Strands. (N)	Outer Jacket Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Weight (kg/km)
	1524-01P22AWG-U2GY8-42	1	7	1.35	10.2	130
	1524-02P22AWG-U2GY8-42	2	7	1.35	14.1	190
	1524-04P22AWG-U2GY8-42	4	7	1.65	16.5	301