

**DS1/DS1C/DS2 Transport System Cable** – Digital Transmission Cables for T1/DS1, DS1C and DS2 frequencies. Designed for switching and transmission equipment cabling for telephone central offices, but can be used in campus or premises environments where T1 speeds and a low-loss shielded cable is required. Equivalent to Series 1161.

CABLCON Part Number	Spec	Awg	No. Of Conductors	Jacket Color	Weight Lbs/kft
M1161-2425	1161A	24	25	Gray	134
M1161-2428	1161A	24	28	Gray	144
M1161-2432	1161A	24	32	Gray	166
M1161-2450	1161A	24	50	Gray	221
M1161-4100	1161A	24	100	Gray	450

#### Compliances

- UL Subject 444/CSA C22.2 No. 214
- (UL)-C(UL) Type CMR/CMG
- ICEA S-90-661
- Telcordia Technical Audit Report DA-1385 compliance Testing to GR-137-CORE; DS1 waveform compliance Testing at 550'.

#### Construction

- Conductors – 24 AWG Solid Tinned Copper
- Insulation – Flame Retardant Polyolefin
- Insulation Diameter -- 0.38" Nominal
- Pairing – Tight Twist (12 Twist per Foot, Min.)
- Shielding – Single Aluminum/Polyester
- Drain Wire – 24 AWG Solid Tinned Copper
- Color Coding – Standard Telephony, Solid Colors
- Jacket – Lead-Free Flame Retardant PVC
- Jacket Thickness – .035" Nominal

#### Electrical Characteristics

- Conductor DC Resistance (Max)—28.6  $\Omega$ /kft. @ 20°C
- Mutual Capacitance—18.0 pF/ft. Nominal @1kHz
- Characteristic Impedance—100 +/- 15 Ohms @ 1 MHz
- Temperature Rating—75°C
- Voltage Rating—300 VDC

Signal	Frequency	Bit Rate	Nominal Attenuation (db/1000 ft)	Nominal Attenuation (db/100 m)
DS1	.772	1.544	5.5	1.8
DS1C	1.575	3.152	7.8	2.6
DS2	3.156	6.312	10.8	3.6