



22AWG Telephone Drop Wire Specification

DATE:2024-02-23

Cross Section



Performance

Electrical Characteristics:

Conductor DC Resistance 20oC(ohms/km)	21.4
Proof voltage	Min AC1.5KV
AC Leakage Current Through overallAC 1500V	$\leq 10\text{mA}$
Jacket	$< 9.8 \text{ nF//100M}$

Description

Rated Temperature (oC)	75
Rated Voltage(V)	300

Mechanical Characteristics:

Application

Telephone Drop Wire are designed for extending an open wire line or distribution cable pair from a pole and/or cable terminal to a building. Single-pair, PVC-insulated aerial drop wire designed for use in extending telephone circuits to subscriber premises by means of an aerial drop from distribution wire or cable.

insulation

Aging before elongation (%)	≥ 150
Tensile strength before aging	16.5 Mpa
Ageing condition	(100°C 168h)
After aging biggest elongation rate (%)	≥ 150

Construction

Conductor	Solid Bare Copper
Conductor count	2C
AWG	22AWG
Conductor Dia. ($\pm 0.004\text{mm}$)	0.65mm
Jacket	PVC
Average Thickness(mm)	1.08mm
Outer Dia. ($\pm 0.15 \times \pm 0.3\text{mm}$)	3.2*6.5MM

NOTE: One yellow tracer on One edge of the jacket provides conductor for identification.

Tensile strength after aging	14.2 Mpa
Jacket	
Aging before elongation (%)	≥ 150
Tensile strength before aging	13.8 Mpa
Ageing condition	(100°C 168h)
After aging biggest elongation rate (%)	≥ 150
Tensile strength after aging	11.7 Mpa

Package

300M ROLL / Per request

Cold Bend Test -20°C 4hours No Cracking