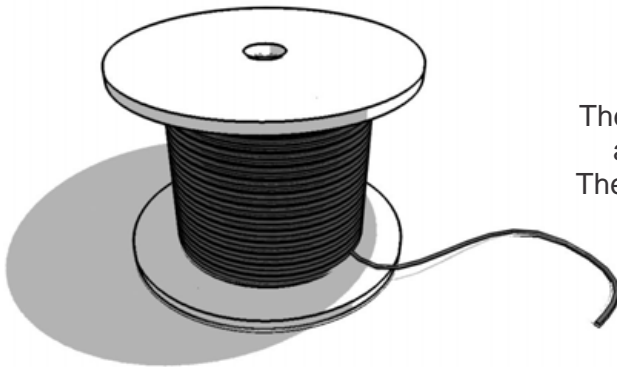




# FTP data cable for outdoor use

## Applications

The All-Weather Super CAT is an outdoor TIA/EIA 568B.2 Category 5e cable that can be installed directly buried in the ground, inside a duct or aerially lashed to a support member. The cable is extremely durable and has a tough UV and abrasion-resistant black polyethylene jacket. The cable is designed to withstand temperatures as low as  $-70^{\circ}\text{C}$  and as high as  $+75^{\circ}\text{C}$  with data transmission rates up to 100 Mb/s. This cable is the ideal solution for connecting locations outside the main building (such as portable classrooms) without using expensive optical fibre solutions. Standard aluminium shielding systems provide additional protection against EMI and damage caused by rodents.



## Construction

- 1. Conductors**  
Solid bare 24 AWG copper.
- 2. Insulation**  
Polyvinylchloride (PVC).
- 3. Circuit identification**  
Standard blue/orange/green/brown colour code with band marks to identify paired conductors. Specially formulated insulation makes these colours vivid for easier identification.
- 4. Shielding**  
Aluminium foil shielding
- 5. Outer protective sleeve**  
UV and abrasion-resistant polyethylene (PE).

## Electrical characteristics

DC resistance 9.38  $\Omega$ /100 meters • 28.6  $\Omega$ /1000 feet  
DCR unbalanced 5%  
Mutual capacitance 55.8 pF/m • 17 pF/ft  
Input impedance  $100 \pm 15\%$  @ 1 - 100 MHz  
Propagation delay (Skew) 45 ns/100 m  
Velocity of propagation 69%

## Rating

ISO/IEC 11801  
EN 50173  
EN 50288-2-1  
IEC 61156-5  
ANSI/TIA/EIA 568-B.2.

## Other

Min. bending radius at installation 8x cable diameter  
Min. bending radius after installation: 4x cable diameter  
Max. pulling force 82N  
Cable weight 43 Kg/Km  
Standard length 305 meter (100 Feet)

