



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 96294  
**DESCRIPTION:** 24 AWG /4 Pair Category 5e Direct Burial Data Cable  
**COMPLIANCE:**  
➤ For outdoor use only  
➤ Meets or exceeds TIA/EIA 568-C.2

## Construction Parameters:

Conductor	24 AWG Solid Bare Copper	<b>DIAMETER*</b>
Dielectric	Solid polyethylene with insulation with water blocking gel	0.020"
Assembly	Each pair has different lay length for cross-talk prevention	0.040"
Jacket	Polyethylene	0.220"

\* = Nominal value

## Product Electrical Characteristics:

Max Capacitance (nF/100m @ 1 kHz)	Max DC Resistance ( $\Omega$ /100m @ 20°C)	Max Delay Skew (ns/100m)	Nom Velocity of Propagation (%)	Characteristic Impedance ( $\Omega$ @ 1-100 MHz)
5.6	9.38	45	68	100 +/- 15

Freq (MHz)	Max Insertion Loss (dB/100m)	Min NEXT Loss (dB)	Min PSNEXT Loss (dB)	Min ACR (dB/100m)	Min PSACR (dB/100m)	Min ELFEXT (dB/100m)	Min PSELFEXT (dB/100m)	Min Return Loss (dB)
1	2.0	65.3	62.3	63.3	60.3	63.8	60.8	20
10	6.5	50.3	47.3	43.8	40.8	43.8	40.8	25
16	8.2	47.3	44.3	39.1	36.1	39.7	36.7	25
20	9.3	45.8	42.8	36.5	33.5	37.7	34.7	25
31.25	11.7	42.9	39.9	31.2	28.2	33.9	30.9	23.6
62.5	17.0	38.4	35.4	21.4	18.4	27.8	24.8	21.5
100	22.0	35.3	32.3	13.3	10.3	23.8	20.8	20.1

Pair Colors: W/BL with BL, W/OR with O, W/GR with GR, W/BR with BR  
Jacket Color: Black

Legend (Ink Print) COLEMAN CABLE 96294 CAT 5E 24/4PR DIRECT BURIAL – Z/YY (XXXX) - NNNNNN

(Also printed with sequential footage & date code)

This product complies with European Directive 2011/65/EU (RoHS-2)

On special orders, the customer will accept all mil lengths and +/- 10 percent of total order requested.

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