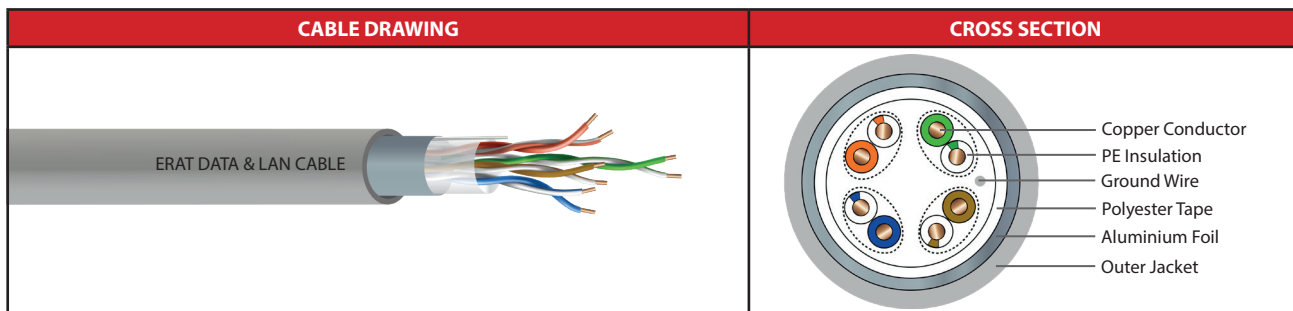


# CAT 5e F/UTP 24 AWG Data Cable



MECHANICAL and PHYSICAL PROPERTIES			
<b>Basic Conductor</b>	Bare annealed copper	<b>Outer Jacket</b>	LSZH or PVC compound
<b>Conductor Size</b>	24 AWG	<b>Jacket Color</b>	Gray. Other colors available upon request.
<b>Insulation</b>	Polyolefin	<b>Surface Marking</b>	As a customer request
<b>Number of Insulated Conductors</b>	8, twisted in 4 pairs	<b>Pulling Force</b>	50 N/mm <sup>2</sup> max.
<b>Color Code of Pairs</b>	Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown	<b>Short Term Bend Radius</b>	8xOD mm
<b>Overall Tape Wrap</b>	Polyester tape, providing 100% coverage.	<b>Long Term Bend Radius</b>	4xOD mm
<b>Drain Wire</b>	Solid, tin-coated annealed copper	<b>Operating Temperature</b>	-20 to +60C
<b>Overall Shield</b>	Laminated Aluminium foil providing 100% coverage.	<b>Installation Temperature</b>	0 to +50C

ELECTRICAL SPECIFICATIONS	
<b>Characteristic Impedance</b>	100±6 Ohm @ 1-100 MHz.
<b>DC Resistance</b>	93 Ohm/Km max.
<b>Resistance unbalance</b>	2% max.
<b>Capacitance</b>	47 pF/m nom. @ 1 KHz
<b>Cap. Unbalance (wire to ground)</b>	1500 pF/Km max. @ 1 KHz.
<b>Voltage rating</b>	72 Vdc max.
<b>Dielectric strength</b>	1000 Volts/1 minute min rms
<b>Velocity of Propagation (NVP)</b>	67-69%
<b>Insulation Resistance</b>	5000 MegaOhm·Km min. @ 500 Vdc
<b>Coupling attenuation</b>	55 dB min @ 30-100 MHz 55-20Log(f/100)
<b>Transfer Impedance</b>	50 mOhm/m max. @ 1-30 MHz

Frequency (MHz)	Return Loss (dB)	Insertion Loss (dB)	NEXT Loss (dB)	PS NEXT Loss (dB)	ACRF (dB)
	Min.	Max.	Min.	Min.	Min.
1.00	19.0	2.1	60.0	57.0	58.6
4.00	19.0	3.9	54.8	51.8	46.6
8.00	19.0	5.5	50.0	47.0	40.6
10.00	19.0	6.2	48.5	45.5	38.6
16.00	19.0	7.9	45.2	42.2	34.5
20.00	19.0	8.9	43.7	40.7	32.6
25.00	18.0	10.0	42.1	39.1	30.7
31.25	17.1	11.2	40.5	37.5	28.7
62.50	14.1	16.2	35.7	32.7	22.7
100.00	12.0	21.0	32.3	29.3	18.6

ORDERING INFORMATION			
Product Code	Packaging	Approx. OD(mm)	Approx. Weight(kg/km)
EDMP1ER15101IDIFUT355	500m Drum	6.0±0.3	21.8
EDMP1ER15101IDIFUT351	1000m Drum	6.0±0.3	43.2