



# EW-ST408

### Product Description:

eWit 24/23 AWG copper wire insulated with Polyethylene. Two insulated conductors twisted together to form a pair and four such pairs separated by a cross filler form the core unit jacketed with flame retardant PVC/LSZH. Enhanced performance cable enables delivering high speed network.

### Flame Rating:

PVC-CM/CMR/CMX LSZH-IEC 60332-1; IEC 60754 1&2; IEC 61034-2 Specified and tested upto 250MHz or higher if required Compliant to ANSI/TIA 568-C.2 Cat6, ISO/IEC 11801 Class E



### Product Application:

- 10 Base T (IEEE 802.3)
- 100 Base T (IEEE 802.3U)
- 1000 BASE-T (IEEE 802.3ab)
- 1000 BASE-TX
- TP-PMD (ANSI X3T9.5)
- 100 Mbps CDDI
- ATM 155
- 4/16 Mbps Token Ring (IEEE 802.5)
- Meets IEEE802.3af & 802.3at PoE

Features	Specification
<b>Standard Length:</b>	305 Meters
<b>Cable Type:</b>	STP Solid CAT6
<b>No of Wires:</b>	4 Pair
<b>Insulation:</b>	High Density Polyethylene
<b>Rip Cord Material:</b>	Nylon
<b>Pairs:</b>	2 Insulated conductors twisted together
<b>Construction:</b>	23AWG
<b>Sheath:</b>	FR-PVC Insulation thickness 0.2mm nominal
<b>Insulation Thickness:</b>	0.22±0.02mm
<b>Insulation Diameter:</b>	0.93±0.05mm
<b>Characterstic Impedance</b>	100 ± 15Ω
<b>Insulation Resistance:</b>	Min. 5000 mega ohms-km at 20°C
<b>Cable Diameter:</b>	6.1 mm nominal

<b>Insulation Material:</b>	Aluminium/ Polyester Foil + Tinned copper Braiding
<b>Conductor Resistance:</b>	$\leq 9.38 \Omega/100m$
<b>Insulation Resistance:</b>	100M $\Omega$
<b>Delay Skew:</b>	<45nS
<b>NVP (%):</b>	69%
<b>Mutual Capacitance:</b>	< 5.6nF/100m
<b>Resistance Unbalance:</b>	5% Max
<b>Capacitance Unbalance:</b>	330 pF/100m
<b>Temperature Rating:</b>	-20° to +70°C
<b>Operating Voltage:</b>	72V
<b>Bending Radius:</b>	<25.4mm at -20°C +/-1°C
<b>Pulling Force:</b>	$\geq 11.5$ Kg
<b>Dielectric Strength:</b>	1.0KV dc or 0.75KV ac for 1min
<b>Certification &amp; Standards:</b>	ISO, CE, FC, ROHS

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