



## UTP/Cat5e SWA/LSZH

<b>Part No:</b>	91036
<b>Applications:</b>	A local area network (LAN) is a computer network that interconnects computers within a limited area such as a residence, school, laboratory, university campus or office building. Cat 5e features more stringent specifications for crosstalk and system noise. For standard applications, flame retardant.
<b>Construction:</b>	UTP 4 pairs cable - Category 5e - 100MHz – Armoured – LSZH Sheath UTPLEVEL5-4X2X0.22ARZAN+ HDPE/LSZH/SWA/LSZH
<b>Formation:</b>	4 Pairs
<b>Section:</b>	24 AWG
<b>Conductor:</b>	Plain annealed copper wire, Solid
<b>Insulation</b>	High Density Polyethylene - HDPE
<b>Colour Code:</b>	A - Blue, White/Blue, B - Orange, White/Orange, C - Green, White/Green, D - Brown, White/Brown
<b>Wrapping:</b>	at least 1 layer of plastic tape 0,023 mm
<b>Inner sheath:</b>	Thermoplastic Low Smoke, Halogen Free - LSZH.
<b>Armour:</b>	Galvanized Steel Wires Armour
<b>Outer sheath:</b>	Thermoplastic Low Smoke, Halogen Free - LSZH - Black
<b>Fire propagation:</b>	Test on single cable IEC 60332-1
<b>Limiting Oxygen Index (LOI)</b>	min 30%
<b>Smoke Density</b>	IEC 61034
<b>Amount of halogen acid gas</b>	IEC 60754-1 (max 15%)
<b>Acidity (ph value) and conductivity:</b>	IEC 60754-2
<b>Construction Reference</b>	ISO/IEC11801
<b>Type of Cable:</b>	Data Cable
<b>Low Voltage Directive</b>	2014/35/UE
<b>Other References:</b>	- TIA/EIA-568-C.2
<b>Conductor Cross-section</b>	Nom 24 AWG
<b>Impedance</b>	100 +/- 15 Ω
<b>Delay Shew at 20°C</b>	< 45 ns/100m
<b>Temperature Range:</b>	
<b>During Operation</b>	-30° C up to +80°C
<b>During Installation</b>	-5° C up to +50°C

MHz	RL ≥ dB	ATT ≤ dB	NEXT ≥ dB	DELAY ≤ ns	PSNEXT ≥ dB	ELFEXT ≥ dB	PSELFEXT ≥ dB
1	20	2.0	65.3	570	62	64	61
4	23	4.1	56.3	552	60.5	52	49
8	24.5	5.8	51.8	546.73	54	45.9	42.9
10	25	6.5	50.3	545.38	50.6	44	41
16	25	8.2	47.2	543	49	39.9	36.9
20	25	9.3	45.8	542.05	45.7	38	35
25	24.3	10.4	44.3	541.20	40.6	35.8	33
31.25	23.6	11.7	42.9	540.44	37.1	34.1	31.1
62.5	21.5	17.0	38.4	538.55	31.9	28.1	25.1
100	20.1	22.0	35.3	537.60	30.2	24	21