UTP/Cat6 SWA/LSZH

Part No:	91043
Applications:	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. EN 50575:2016 CPR Class Eca
Construction:	4x2x23AWG HDPE/LSZH/SWA/LSZH UTP 4 pairs cable - Category 6 - 500MHz – SWA Armoured – LSZH Sheath
Formation:	4 Pairs
Section:	23 AWG
Conductor:	AWG Plain annealed copper wire, Solid
Insulation	High Density Polyetilene - HDPE
Colour Code:	A - Blue, White/Blue, B - Orange, White/Orange, C - Green, White/Green, D - Brown, White/Brown
Wrapping:	At least 1 layer of plastic tape 0,023 mm
Inner sheath:	Thermoplastic Low Smoke, Halogen Free – LSZH
Armour:	Galvanized Steel Wires
Outer sheath:	Thermoplastic Low Smoke, Halogen Free - LSZH – Black
Fire propagation:	Test on single cable – IEC 60332-1 Test on bunched cables IEC 60332-3
Smoke Density	IEC 61034
Amount of halogen	acc. to IEC 60754-1 & EN 50267-1 : ZERO
Acidity (ph value) and conductivity:	IEC 60754-2
Sunlight resistance	UL 1581 section 1200
Construction Reference Standard:	ISO/IEC11801
Type of Cable:	Data cable
Low Voltage Directive	2014/35/UE
Other References:	- TIA/EIA-568-C.2
Conductor Cross-section	Nom 23AWG
Impedance	100 +/- 15 Ω
Conductor resistance at 20°C	9,5 Ω/100m
Delay Shew at 20°C	ns/100m < 45
Temperature Range:	
During Operation	-30° C up to +80°C
During Installation	-5° C up to +50°C

MHz	RL ≥ dB	ATT ≤ dB	NEXT ≥ dB	DELAY ≤ ns	PSNEXT ≥ dB	ELFEXT ≥ dB	PSELFEXT ≥ dB
1	20	-	74.3	570	72.3	67.8	64.8
4	23	3.8	65.3	552	63.3	55.8	52.8
8	24.5	5.3	60.8	546.7	58.8	49.7	46.7
10	25	5.9	59.3	545.4	57.3	47.8	44.8
16	25	7.5	56.2	543	54.2	43.7	40.7
20	25	8.4	54.8	542.1	52.8	41.8	38.8
25	24.3	9.4	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	42.3	27.8	24.8
200	18	27.6	39.8	536.5	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	36.3	19.8	16.8