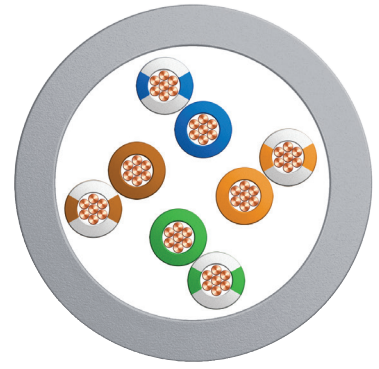


SureLAN[®]

Cat5e U/UTP <100 MHz> Patch Cable



Cable Design

Conductor	Stranded bare copper wire (26 or 24 awg)
Insulation	Polyethylene (PE)
Twisting	2 cores to the pair
Cable lay up	4 pairs stranded
Sheath	LSZH FireFighter [®] or PVC

Colour Code Chart

Pair	Colour
1	Blue + White/Blue
2	Orange + White/Orange
3	Green + White/Green
4	Brown + White/Brown

Electrical Data @ 20°C

Conductor resistance	26 awg	≤ 15,32 Ω/100m
	24 awg	< 9,41 Ω/100m
Min. Insulation resistance	≥ 200 MΩ*M	
Characteristic impedance 1-100 MHz	100 ± 15 Ω	
Rated Voltage	150 V	
Rated Temperature	80°C	



SureLAN®

Cat5e U/UTP <100 MHz> Patch Cable

Frequency (MHz)	Attenuation (dB) ± 15%	Return Loss (dB) (min)	Next Worst Pair (dB) (min)
1	3.1	20	65.3
4	6.1	23	56.3
8	8.6	24.5	51.8
10	9.7	25	50.3
16	12.4	25	47.3
20	13.9	25	45.8
25	15.6	24.2	44.3
32.25	17.6	23.3	42.9
62.5	25.5	20.7	38.4
100	33.0	19	35.3

Dimensions

Part Number	AWG (Stranding)	Insulation Diameter	Overall Diameter
14963	26 (7/0,16 mm)	0,83 ± 0,10 mm	5,40 ± 0,20 mm
44965	26 (7/0,16 mm)	0,83 ± 0,10 mm	5,40 ± 0,20 mm
44865	24 (7/0,175 mm)	0,95 ± 0,10mm	5,40 ± 0,20 mm

Specification

Part Number	Type
14963	SureLAN5e 26/7awg 4pair U/UTP<100 MHz> PVC Grey
44965	SureLAN5e 26/7awg 4pair U/UTP<100 MHz> LSZH FireFighter® IEC60332-1 Grey
44865	SureLAN5e 24/7awg 4pair U/UTP <100 MHz> LSZH FireFighter® IEC60332-1 Grey

Belcom Cables Ltd. ("Belcom") reserves the right to make changes to the product described in this specification without prior notice. Belcom does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact product details can be confirmed at point of enquiry.