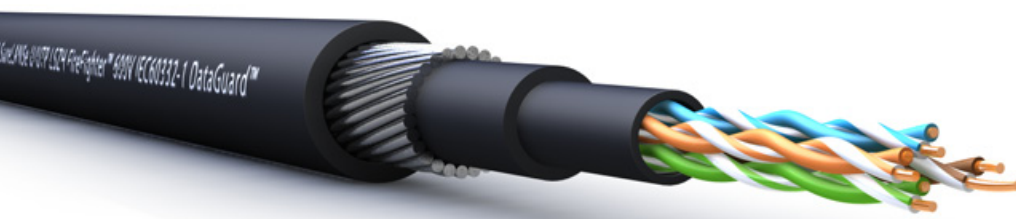


# SureLAN™ 5e U/UTP DataGuard™ Armoured IEC60332-1 with intermediary inner sheath



Application		Cable Construction	
DataGuard™ armoured High speed data transmissions for harsh environments . IEEE 802.3, IEE 802.5, FDDI, ATM, RNIS.		Conductor	Solid bare copper wire (24awg) Ø 0.510 mm
Cables		Insulation	High Density Polyethylene (HDPE) Ø 0.92 mm
IEC 61156-5, EN 50288-3-1		No. Of Pairs	4
Cabling system standard		Inner Jacket	LSZH FireFighter™ Ø 5.40 ± 0.15mm
IS 11801 ed.2, EN 50173-1, EIA/TIA 568		Intermediate Jacket	LSZH FireFighter™ Ø 7.50 ± 0.20mm
Cabling system installation standard		Armour	DataGuard™ Steel wire armour (SWA) 0.9 x 27
EN50174		Outer Jacket	LSZH FireFighter™ Ø 12.8 ± 0.25mm
Directive		Electrical Data at 20°C	
RoHS 2002/95/EC		Complete conductor resistance	≤ 190 Ω/km
<u>Fire Behaviour</u>	<u>Features</u>	Resistance unbalance	≤ 2 %
IEC 60332-1	- Outdoor Use	Dielectric strength (continuous current)	1kV during 1min=no breakdown
NF C 32-070 2.1 (C2)	- Direct Burial	Insulation resistance (500V)	≥ 5000 MΩ . km
(low smoke emissions)	- Rodent Protection	Capacitance unbalance Real-ground	≤ 1600 pF/km
IEC 60754-1		Characteristic impedance at 100 MHz	100 ± 5 Ω
IEC 60754-2		Nom. Velocity	66 %
IEC 61034			

Transmission Characteristics					
Frequency (MHz)	Return Loss (dB)	Insertion Loss (dB)	NEXT (dB)	ACR-N (dB)	ACR-F (dB)
1	19	4	60	56	58.60
4	19	4	54.80	50.80	44.60
8	19	5.4	50	44.60	40.60
10	19	6.1	48.50	42.10	38.60
16	19	7.7	45.20	37.50	34.50
20	19	8.7	43.70	35	32.60
25	18	9.7	42.10	32.40	30.70
31.25	17	10.9	40.50	29.60	28.70

Part Number	Type	Colour of Jacket
145965	Outdoor	Black <span style="display: inline-block; width: 10px; height: 10px; background-color: black; vertical-align: middle;"></span>