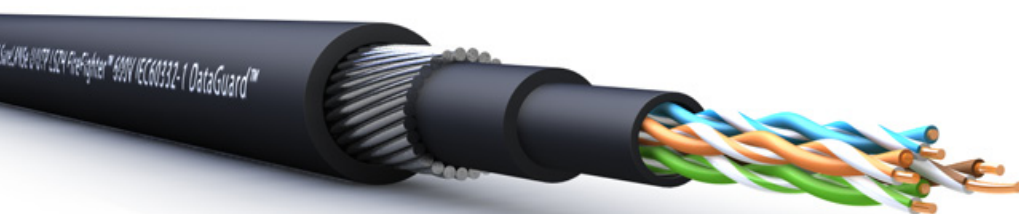


SureLAN™ 5e U/UTP DataGuard™ Armoured IEC60332-1 with intermediary inner sheath



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

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