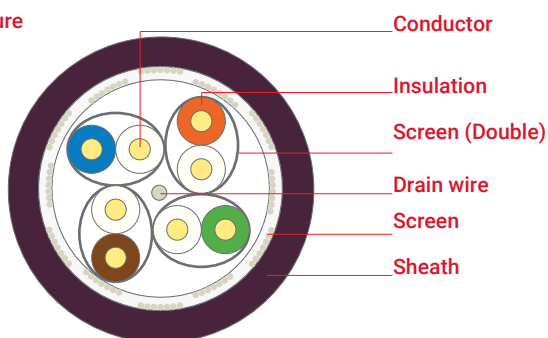




**Cable structure**



Electrolytic copper wire, Ø 23AWG

Physical foam PE, in compliance with TIA 568 insulation colour coding  
70°C, EN 50290-2-23  
Al-Pet tape min. 100% coverage

Tinned copper drain wire, Ø 26AWG  
Tinned braided copper wire, 40% coverage

LSZH/LS0H - RAL 4007 Purple, Ø 7.4 mm  
70°C, EN 50290-2-27  
PVC - RAL 7001 Grey, Ø 7.4 mm  
TM51 70°C, EN 50290-2-22  
PE - RAL 9011 Black, Ø 7.4 mm  
80°C, EN 50290-2-24

**Application**

Utilising physical foam insulation technology, this data cable range is designed for analogue and digital signal transmission in audio, video and data applications supporting 600 MHz, 10 Gbit/s 10 Gigabit Ethernet. Cables meet the requirements of structural cabling standards including ANSI EIA/TIA 568, ISO/IEC 11801 and EN 50173 Class FA.

IEEE 802.3:10Base-T; 100Base-T; 1000Base-T; 10GBase-T IEEE 802.5 16 MB; ISDN; TPDDI; ATM  
Power over Ethernet (PoE) / PoE+

**Standards** ISO/IEC 11801 2nd ed., IEC 61156-5  
EN 50173-1, EN 50288-4-1

**Fire performance**

Vertical flame propagation EN 60332-1-2 (LSZH-PVC)  
Corrosive gas EN 60754-1/2 (LSZH)  
Smoke density EN 61034-2 (LSZH)

**EU declaration of conformity**

LVD	Low Voltage Directive	2014/35/EU
RoHS	Restriction of Hazardous Substances	2011/65/EU

**Specifications**

Temperature range	fixed		-20°C ...+60°C
	flexing		0°C ...+50°C
Bending radius	fixed	min.	4 x D
	flexing	min.	8 x D
Tensile strength		max.	110 N
Crushing strength		min.	1000 N/10 cm
Impact strength		min.	10 impacts

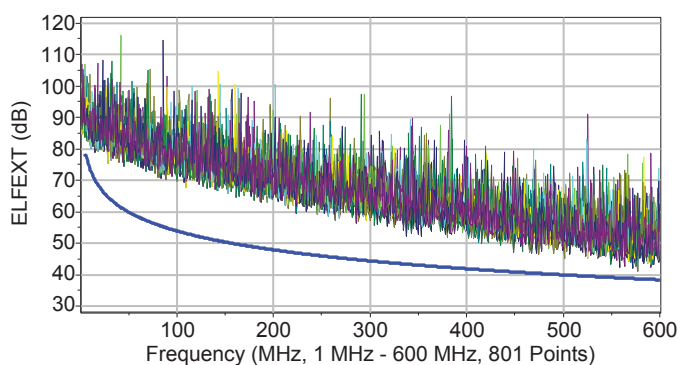
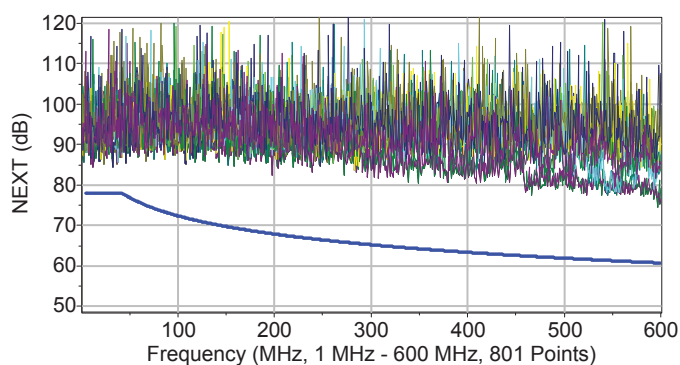
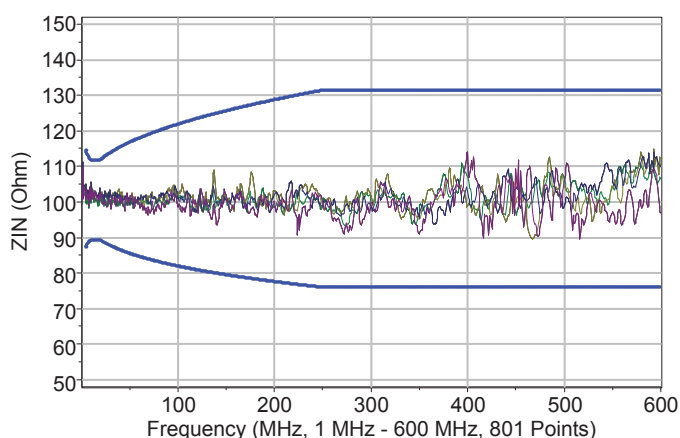
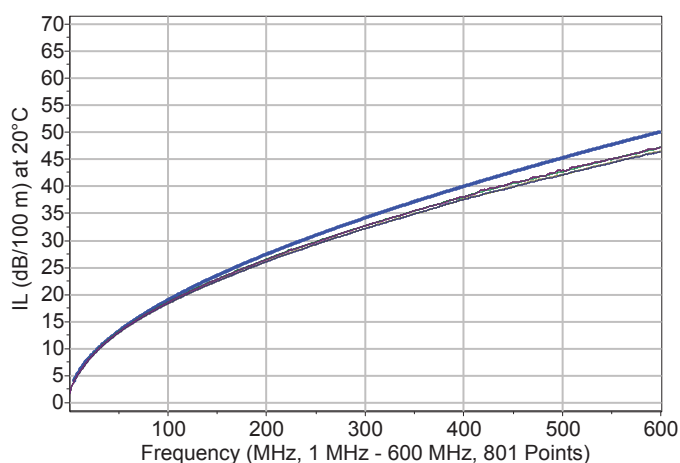
Conductor resistance	max.	75 Ω/km
Resistance imbalance	max.	2%
Insulation resistance	min.	5000 MΩ x m
Capacitance	nom.	42 pF/m
Capacity imbalance	max.	1600 pF/km
Rated impedance		100 ± 5 Ω @100 MHz
Velocity of propagation		78-80%
Propagation delay	max.	430 ns/100 m
Signal delay	max.	25 ns/100 m
Test voltage		1000 V
Operating voltage	max.	72 V

TCL	min.	"Level 2"
Coupling attenuation		"Type Ib"
Transfer impedance		"Class 1"
Segregation class		"d" EN 50174-2

Specifications may vary depending on technical modifications.

Frequency [MHz]	Attenuation [dB/100 m] typ.max.		NEXT [dB] typ.max.		PS-NEXT [dB] typ.max.		ACR [dB/100 m] typ.max.		PS-ACR [dB/100 m] typ.max.		ACR-F [dB/100 m] typ.max.		PS-ACR-F [dB/100 m] typ.max.		RL [dB] typ.max.	
1	1.8	2.0	100	80	97	77	98	78	95	75	107	80	104	77	26	20
4	3.3	3.7	100	80	97	77	96	77	93	74	107	80	104	77	30	23
10	5.3	5.9	100	80	97	77	94	74	91	71	104	74	101	71	33	25
100	17.5	19	100	72	97	69	82	54	79	51	92	54	89	51	33	25.7
200	25.2	27.5	100	68	97	65	75	41	72	38	84	48	81	45	32	23.6
250	28.0	31	100	66	97	63	72	36	69	33	81	46	78	43	30	21.5
500	40.5	45.3	96	62	93	59	55	18	52	15	68	40	65	37	27	20.1
600	44.5	50.1	90	61	87	58	45	12	42	9	64	38	61	35	25	17.3
700	53.5	-	84	-	81	-	30	-	27	-	56	-	53	-	23	15.9
800	55.0	-	83	-	80	-	28	-	25	-	54	-	51	-	22	15.2
900	57.0	-	81	-	78	-	24	-	21	-	49	-	46	-	21	

IEC 61156-5, EN 50288-4-1



Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	Sheath colour	Packaging [m]
507001	SL900 S/F23 LSZH Cat 7 S/FTP 4x2x23AWG	7.4	28	55	■ Purple (RAL 4007)	500/1000
507002	SL900 S/F23 PVC Cat 7 S/FTP 4x2x23AWG	7.4	28	54	■ Grey (RAL 7001)	500/1000
507003	SL900 S/F23 PE Cat 7 S/FTP 4x2x23AWG	7.4	28	48	■ Black (RAL 9011)	500/1000

Specifications may vary depending on technical modifications.