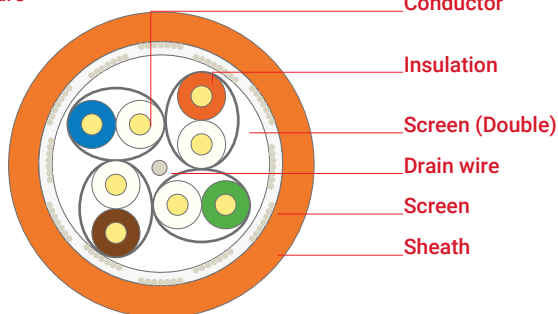




Cable structure



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 2003 Orange, Ø 7.6 mm
70°C, EN 50290-2-27

PVC - RAL 7001 Grey, Ø 7.6 mm

TM51 70°C, EN 50290-2-22

PE - RAL 9011 Black, Ø 7.6 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 1 GHz, 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 50288-9-1

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.	120 N
Crushing strength		min.	1000 N/10 cm
Impact strength		min.	10 impacts

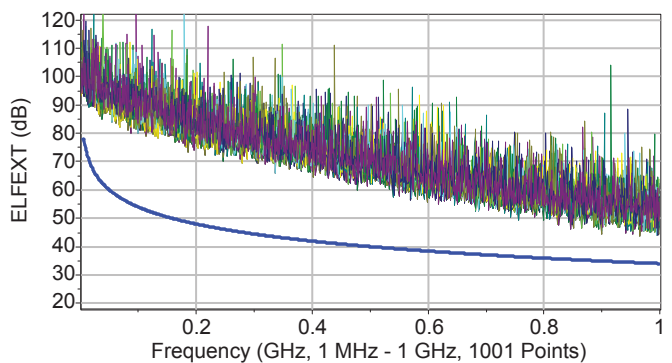
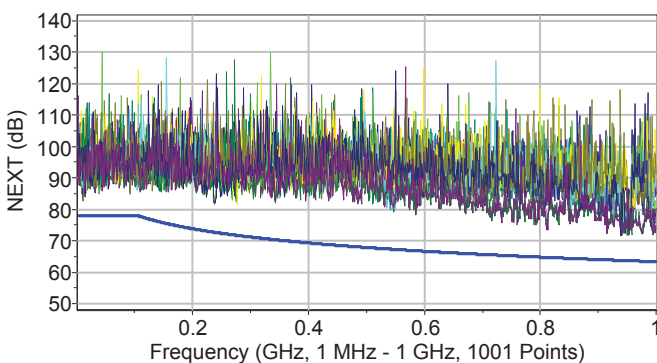
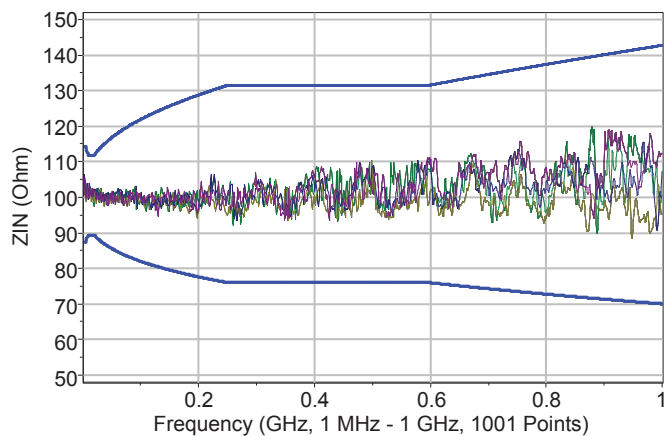
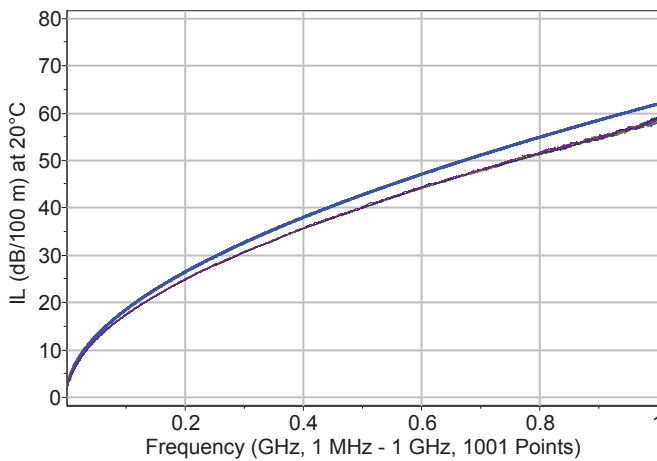
Conductor resistance	max.	68 Ω/km
Resistance imbalance	max.	2%
Insulation resistance	min.	5000 MΩ x m
Capacitance	nom.	42 pF/m
Capacity imbalance	max.	1600 pF/km
Rated impedance		100 ± 5 Ω @100 MHz
Velocity of propagation		78-80%
Propagation delay	max.	430 ns/100 m
Signal delay	max.	25 ns/100 m
Test 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	1.9	2.1	104	78	101	75	102	72.9	99	72.9	108	7 8	105	75	26	20
4	3.5	3.7	104	78	101	75	100	71.3	97	71.3	107	7 8	104	75	30	23
10	5.4	5.8	104	78	101	75	99	69.2	96	69.2	104	75.3	101	72.3	33	25
100	17.4	18.5	104	75.4	101	72.4	87	53.9	84	53.9	92	55.3	89	52.3	33	20.1
200	24.9	26.5	104	70.9	101	67.9	79	41.4	76	41.4	84	49.3	81	46.3	32	18
250	27.8	29.7	104	69.4	101	66.4	76	36.7	73	36.7	79	47.3	76	44.3	30	17.3
500	40.1	42.8	99	64.9	96	61.9	59	19.2	56	19.2	67	41.3	64	38.3	28	17.3
600	43.8	47.1	93	63.7	90	60.7	50	13.6	47	13.6	60	39.7	57	36.7	25	17.3
800	50.1	54.9	86	61.9	83	58.9	32	3.9	29	3.9	53	37.2	50	34.2	23	16.1
1000	59.0	61.9	84	60.4	81	57.4	26	-4.5	23	-4.5	43	35.3	40	32.3	20	15.1
1200	64	-	82	-	79	-	18	-	15	-	38	-	35	-	19	-

IEC 61156-5, EN 50288-9-1



Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	Sheath colour	Packaging [m]
507007	SL1200 S/F23 LSZH Cat 7A S/FTP 4x2x23AWG	7.6	30	60	Orange (RAL 2003)	500/1000
507008	SL1200 S/F23 PVC Cat 7A S/FTP 4x2x23AWG	7.6	30	59	Grey (RAL 7001)	500/1000
507009	SL1200 S/F23 PE Cat 7A S/FTP 4x2x23AWG	7.6	30	54	Black (RAL 9011)	500/1000

Specifications may vary depending on technical modifications.