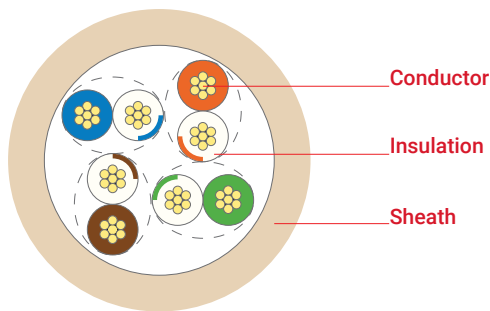




**Cable structure**



Stranded electrolytic copper wire, Ø 26/7AWG

HDPE, in compliance with TIA 568 insulation colour coding  
80°C, EN 50290-2-23

LSZH/LSOH - RAL 1015 Cream, Ø 5.0 mm  
70°C, EN 50290-2-27  
PVC - RAL 7001 Grey, Ø 5.0 mm  
TM52 70°C, EN 50290-2-22

**Application**

This data cable range is designed for analogue and digital signal transmission in audio, video and data applications in data communication systems supporting 100 MHz, 1.0 Gbit/s 1 Gigabit Ethernet. Cables meet the requirements of structural cabling standards including ANSI EIA/TIA 568, ISO/IEC 11801 and EN 50173 Class D.

IEEE 802.3:10Base-T; 100Base-T; 1000Base-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 50288-3-1  
ANSI EIA/TIA-568.2-D

**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.	60 N
Crushing strength		min.	1000 N/10 cm
Impact strength		min.	10 impacts
Conductor resistance		max.	150 Ω/km
Resistance imbalance		max.	3%
Insulation resistance		min.	5000 MΩ x m
Capacitance		nom.	50 pF/m
Capacity imbalance		max.	1600 pF/km
Rated impedance			100 ± 5 Ω @100 MHz
Velocity of propagation			67-69%
Propagation delay		max.	537 ns/100 m
Signal delay		max.	45 ns/100 m
Test voltage			1000 V
Operating voltage		max.	125 V
TCL		min.	"Level 2"
Coupling attenuation			"Type III"
Segregation class			"b" 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	0.28	0.32	71	65.3	68	62.3	71	65.0	68	62	82	63.8	79	60.8	22	20
4	0.48	0.60	62	56.3	59	53.3	62	55.7	59	52.7	70	51.8	67	48.8	30	23
10	0.85	0.95	56	50.3	53	47.3	55	49.3	52	46.3	55	43.8	52	40.8	28	25
16	1.08	1.21	54	47.2	51	44.2	53	46.0	50	43	48	39.7	45	36.7	27	25
31.25	1.55	1.71	50	42.9	47	39.9	48	41.2	45	38.2	40	33.9	37	30.9	25	23.6
62.50	2.20	2.48	45	38.4	42	35.4	43	35.9	40	32.9	37	27.9	34	24.9	24	21.5
100	2.95	3.2	42	35.3	39	32.3	39	32.1	36	29.1	30	23.8	27	20.8	23	20.1
200	4.10	-	36	-	33	-	32	-	29	-	22	-	19	-	22	-

IEC 61156-5, EN 50288-3-1

Product code	Cable structure	Diameter [mm]	Copperweight [kg/km]	Cable weight [kg/km]	Sheath colour	Packaging [m]
505052	SL200 U26/7 LSZH Cat 5e U/UTP 4x2x26/7AWG	5.0	10	25	 Cream (RAL 1015)	305/500/1000
505049	SL200 U26/7 PVC Cat 5e U/UTP 4x2x26/7AWG	5.0	10	25	 Grey (RAL 7001)	305/500/1000

Specifications may vary depending on technical modifications.