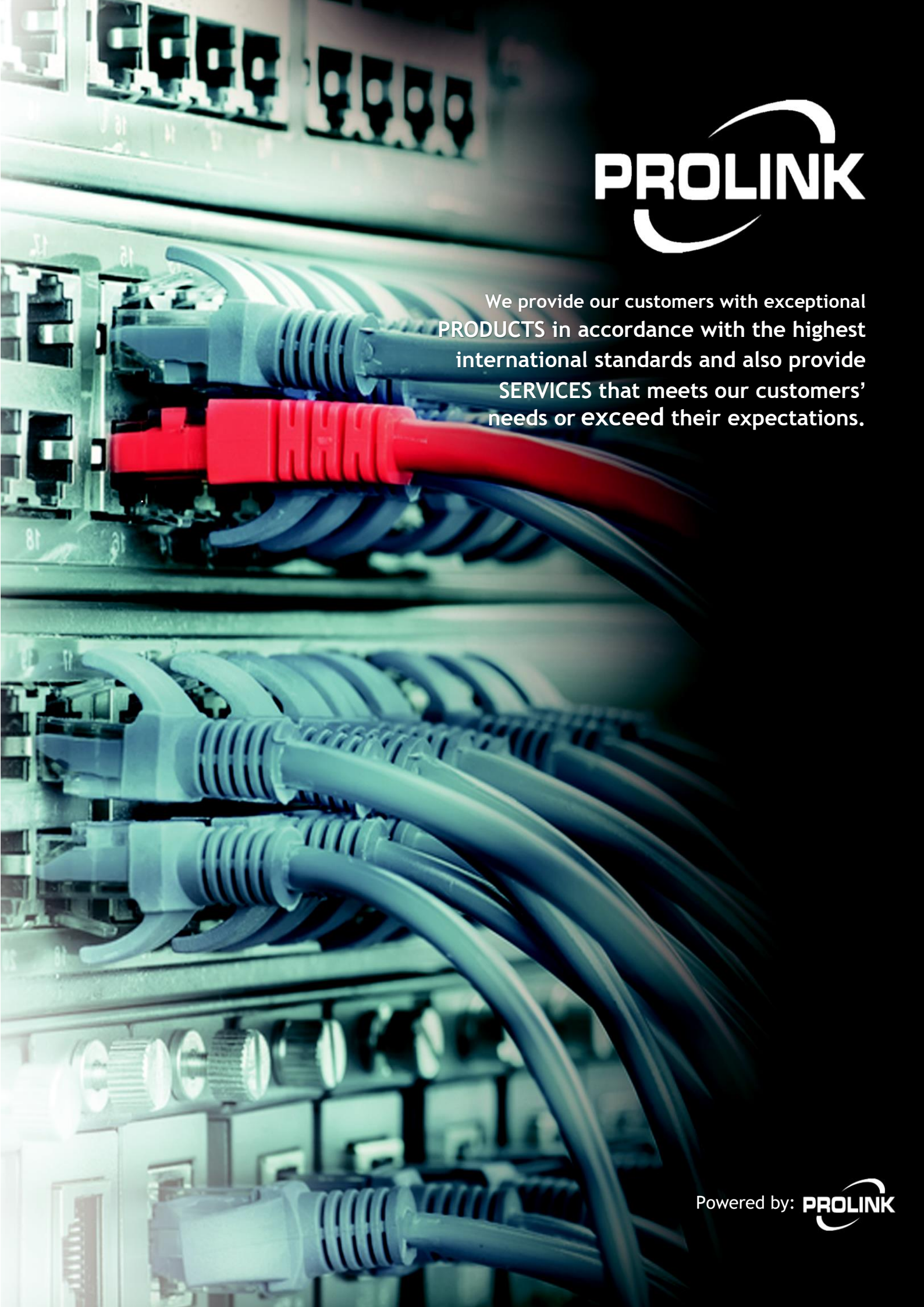
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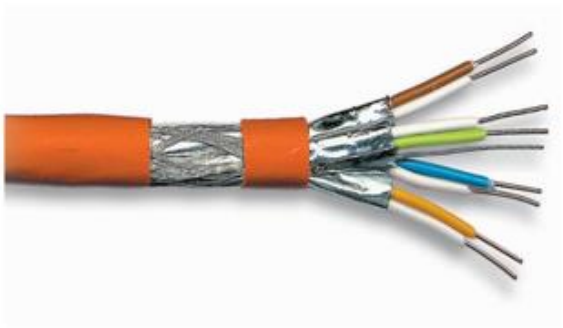
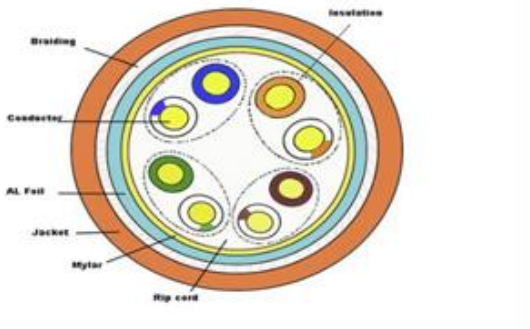
PROLINK S/FTP CAT 7 600MHZ
PL-C7SF-LSZH-W





Description Cable	ProLink CAT 7 S/FTP CABLE, 4 PAIR 23 AWG , LSZH , Orange
Reference Cable	PROLINK Positioning CAT 7 , S/FTP
Construction	**Conductor** Eight wires, Bare copper, 0.58 mm OD (23 AWG) **Insulation** Skin foam, Polyolefin, 1.43 mm **Twisting** 2 cores to the pair. **Cable lay up** 4 pairs to the core **Cable core filling** Waterproof compound to prevent moisture migration and water protection. **Sheath** LSZH, Orange
Application	Primary (Campus), Secondary (Riser), Tertiary (Horizontal) IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; IEEE 802.5 16 MB; ISDN; TPDDI; ATM IEEE 802.3af-2002: POE; IEEE 802.3at: POE+
Standards	IIISO/IEC 11801 2nd ed.; EN 50173-1 IEC 61156-5 2nd ed.; EN 50288-10-1
Fire rating	LSZH IEC 60332-1; IEC 60754-2; IEC 61034
Technical Data	**Cable designation** S/FTP Cat.7 600MHz 4PxAWG23 **Packaging** Drum 305 m **Outer diameter** Nominal 7.2 mm **Weight** 50 kg / km **Thermal load** 590 MJ / km Se- **gradation class** **D**

PROLINK S/FTP CAT 7 600MHZ
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Mechanical Properties	**Tensile force**	100 N
	Bending radius	≥ 33 mm during operation (without load) ≥ 65 mm during installation (with load)
	Temperature range	During operation -20°C…+ 60°C During installation 0°C…+ 50°C
Electrical Properties (at 20°C ± 5°C)	**DC loop residence**	≤ 17.6 Ω / 100 m
	Resistance unbalance	≤ 2 %
	Test voltage	DC, 1 min, core/core 1000 V
	Insulation resistance	500 V ≥ 5000 MΩ * km
	Capacitance	43 pF / m nom.
	Capacitance unbalance	≤ 1500 pF / km
	Mean characteristic impedance	100 ± 5 Ω Nominal velocity of propagation
	Approx. 67 %	
	Propagation delay	At 1 MHz ≤ 535 ns / 100 m
	Delay skew	≤ 20 ns / 100 m
	Coupling attenuation	≥ 40 dB
	Balance TCL	At 1 MHz ≤ 55 dB At 10 MHz ≤ 40 dB At100 MHz<20 dB

Transmission Parameters

F (MHZ)	Attenuation (Db/100 m)		NEXT (dB)		Structural Return Loss (SRL) db	ACR (dB/ 100 m)	
	Nom	Max	Nom	Max	Nom	Nom	Max
4	3.3	3.6	105	90	23	102	86.4
10	5.2	5.8	105	90	23	100	84.2
20	7.5	8.3	105	90	23	9 7	81.7
62.5	13.3	14.6	105	90	18	9 2	75.4
100	17.5	18.4	105	90	16	8 7	71.6
300	31	32	95	80	12	64	57.9
600	425.	49	90	80	8.2	-	31