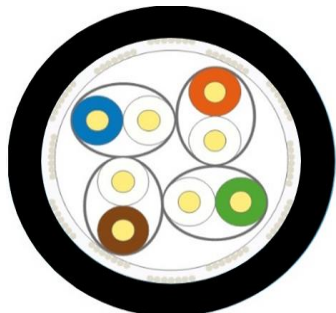


dGlink Kat 6A S/FTP Cca Innen/utendørs kabel

Data Cables


Cable construction

Conductor	Bare copper wire, Ø 23AWG
Insulation	Physical foam PE, Color Code:TIA 568 70°C, EN 50290-2-23
Screen (Pair)	Plastic coated aluminium foil 100% coverage
Screen	Braiding of tinned copper wires (Min.25% Coverage)
Sheath	LSZH/LSOH - RAL 9005 Black, Ø 7,30mm 70°C, EN 50290-2-27

Application

In data processing and information systems, the cable capable of transmitting analog and digital signal at 10 Gbit/s with a frequency of 500 MHz, suitable for 10 Gigabit Ethernet, is designed with using physical foaming technology in its production for data, audio and video applications.

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

Fire Performances

Vertical flame propagation	EN 60332-1-2
Corrosive gas measurement	EN 60754-1/2
Smoke density	EN 61034-2
Euro Class	Cca s1 d1 a1

Technical information

Temperature range

installation	0 °C ... +50 °C
in operation	-20 °C ... +60 °C

Bending radius

during installation	min.	4 x D
as installed	min.	8 x D

DC resistance	max.	75 Ω/km
Resistance unbalance	max.	2%
Insulation resistance	min.	5000 MΩ x km
Mutual capacitance	nom.	44 pF/m
Capacitance unbalance	max.	1600 pF/km
Characteristic impedance		100 ± 5 Ω @100MHz
Velocity of propagation		77-80%
Propagation delay	max.	440 ns/100m
Delay skew	max.	45 ns/100m

Standards

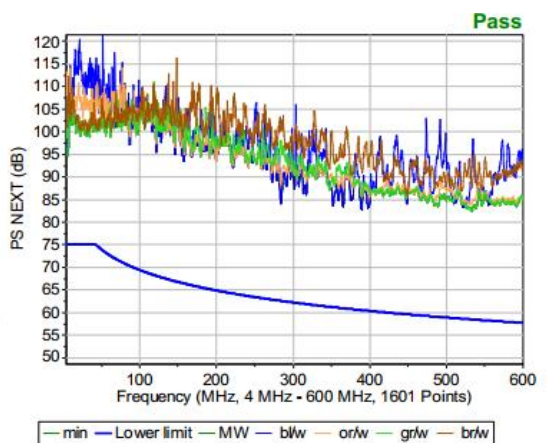
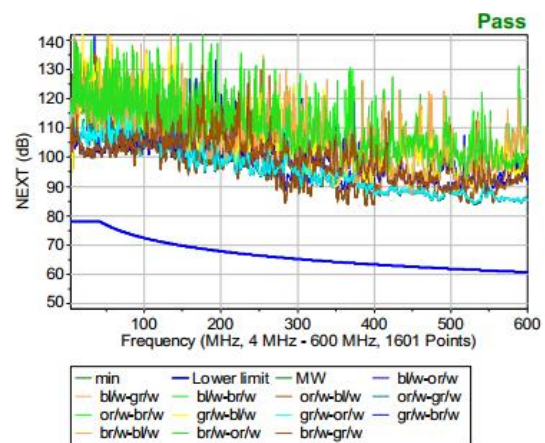
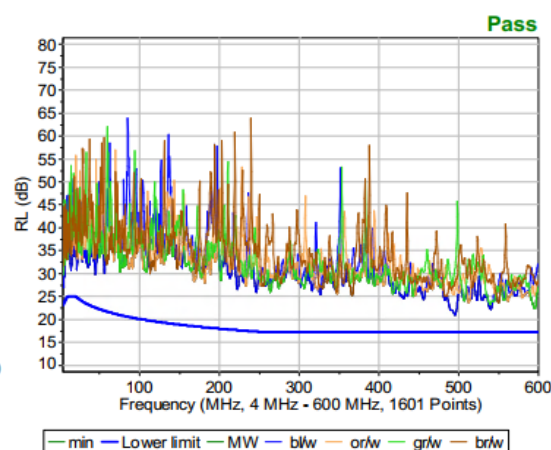
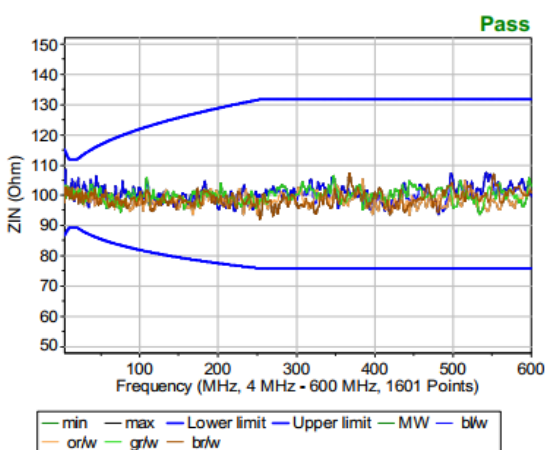
ISO/IEC 11801 2nd ed., IEC 61156-5
EN 50288-10-1
ANSI/TIA-568.2-D

EU Declaration of Conformity

LVD Low Voltage Directive 2014/35/EC
RoHS EC Directive 2015/863/EU

*Specifications are subject to the technical modification.

[MHz]	[dB/100m]	[dB]	[dB]	[dB/100m]	[dB/100m]	[dB/100m]	[dB/100m]	[dB]
Frequency	Attenuation	NEXT	PS-NEXT	ACR	PS-ACR	ACR-F	PS-ACR-F	RL
1	2,1	75,3	72,3	73,2	70,2	68	65	20
4	3,8	66,3	63,3	62,5	59,2	56	53	23
10	5,9	60,3	57,3	54,4	51,4	48	45	25
16	7,5	57,2	54,2	49,8	46,8	43,9	40,9	25
31,25	10,5	52,9	49,9	42,4	39,4	38,1	35,1	23,6
62,5	15	48,4	45,4	33,4	30,4	32,1	29,1	21,5
100	19,1	45,3	42,3	26,2	23,2	28	25	20,1
250	31,1	39,3	36,3	8,3	5,3	20	17	17,3
400	40,1	36,3	33,3	-3,8	-6,8	16	13	17,3
500	45,3	34,8	31,8	-10,4	-13,4	14	11	17,3



Part no.	Cable construction	Outer dia. appr [mm]	Cu content [kg/km]	Cable weight [kg/km]	Sheath - Color
dGLink LSZH Cat 6A S/FTP 4x2x23 / 77780505		7,3	23	54	■ Black (RAL 9005)

*Specifications are subject to the technical modification.