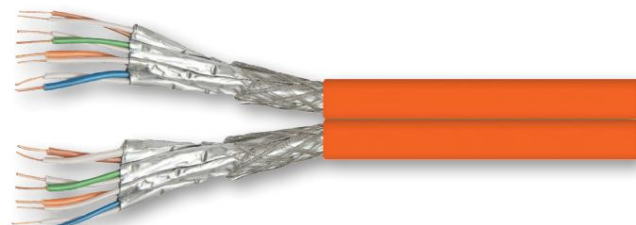


Galaxy CAT 7

data cable



APPLICATION

For the transmission of analogue and digital signals in cabling in the primary, secondary and tertiary ranges in the frequency range 600MHz to 1000MHz. Tested for applications according to Eurofire class Cca .

ELECTRICAL PROPERTIES (LF) at 20 °C

Capacity asymmetry:	max.	1500 pF/km
DC resistance:	max.	72 Ω /km
Resistance asymmetry:	max.	2%
Insulation resistance:	min.	2 G Ω x km
Operating capacity:	nom.	42 pF/m
Wave impedance:	at 100 MHz	100 $\pm$ 5 Ω
coupling resistance:	at 1/10/30 MHz	5/5/10 m Ω /m (Grade 1)
Coupling attenuation:	min.	85 dB (Type 1)
Propagation speed: approx.		79%
propagation delay:	nom.	420 ns/100 m
Skew at 100MHz:	nom.	5 ns/100 m
test voltage:		1000 V
Operating voltage:	max.	125 V

CONSTRUCTION

inner conductor:	4 x 2 x 23AWG
Insulation:	per wire 1.36 mm $\varnothing$ PE
Shielding:	aluminum foil, pairs individually shielded CU braid galvanized
Outer jacket:	7.00 mm FRNC / LSZH +/- 02 mm - Orange

STANDARDS

EN 50288-4-1; EN
50173; EN
50174-2; ISO/
IEC 11801 2nd edition; IEC
61156-5

STANDARDS

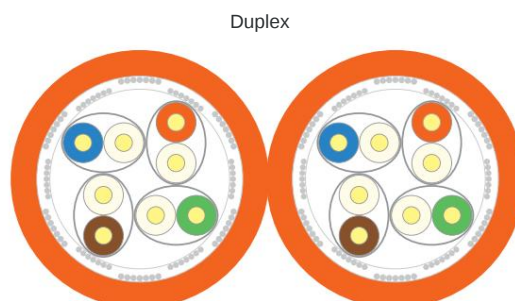
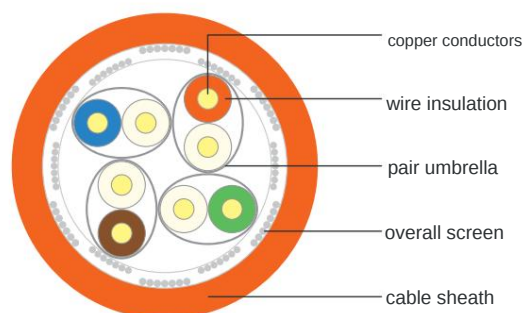
European standard: EN 50173-1, EN 50288-4-1
International standard: ISO/IEC 11801 2nd ed., IEC 61156-5

BEHAVIOR IN CASE OF FIRE

Flame retardancy:	IEC 60332-1-2
Halogen free:	IEC 60754-1/2
Smoke Density:	IEC 61034-1/2
Class:	Cca-s1a, d1, a1

CHEMICAL PROPERTIES

RoHS 2011/65/EU; IEC 60811-2-1 (IRM 902, 4h at 70°C)



Galaxy CAT 7

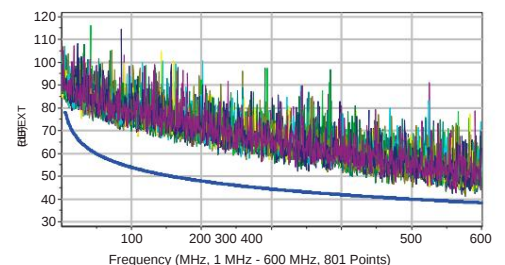
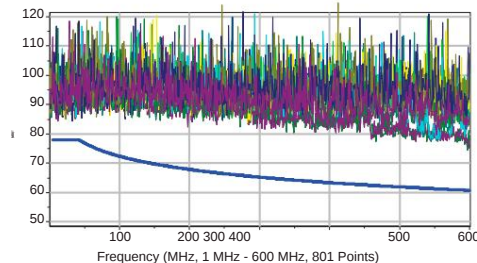
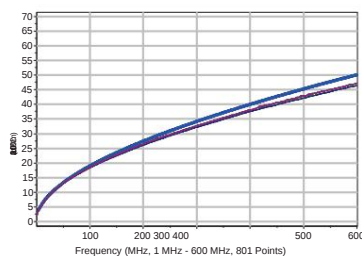
data cable

S/FTP Class F 4x2xAWG23

product data sheet

ELECTRICAL PROPERTIES (HF) at 20 °C

Frequency [MHz]	Attenuation [dB/100m]		NEXT [dB]		PS-NEXT [dB]		ACR [dB/100m]		PS-ACR [dB/100m]		ACR-F [dB/100m]		PS-ACR-F [dB/100m]		RL [dB]	
	typ.	max.	typ.	max.	typ.	max.	typ.	max.	typ.	max.	typ.	max.	typ.	max.	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	



PACKAGING UNITS

Art.-No.	length	packaging unit	range
1920	25 m	16 pieces each ring	288 VPE
1921	50 m	8 pieces of ring each	192 VPE
1922	100 m	4 pieces per spool box	120 VPE
1923	500 m	1 piece each of spool wood	24 VPE
1926	100 m (Duplex)	2 pcs spool wood each	30 units
1927	250 m (Duplex)	1 piece spool wood	24 VPE
1928	500 m (Duplex)	1 piece spool wood	8 VPE



CPR: 00571



CPR: 00572



100 m



500 m



100 m (duplex)



250 m (duplex)