



tv connection cable

Product introduction

DKT now introduces a new series of halogen free connection cables. These have been developed to cope with the increasing number of sources of interference in subscriber home

Type no.	Item no.	Length
TS-A-1,5ZH	20138	1,5 m
TS-A-3ZH	20139	3 m
TS-A-5ZH	20140	5 m
TS-A-10ZH	20141	10 m



Technical specifications

Construction data		TS-A-1,5ZH	TS-A-3ZH	TS-A-5ZH	TS-A-10ZH
Inner conductor	∅ mm	CCS 1.02			
Dielectric	∅ mm	PE 4.75			
First overlapped foil		S-foil			
Foil coverage	%	100			
Braid		CCAM			
Braid coverage	%	77			
Outer sheath	∅ mm	6.8±0.2			
Jacket material		Halogen-free TPE			
Connectors		IEC-female - IEC-male			

Electrical data		TS-A-1,5ZH	TS-A-3ZH	TS-A-5ZH	TS-A-10ZH
Impedance	Ohm	75±3			
Return loss		Cat. B*			
Attenuation at 20°C (dB)	5 MHz	0.1	0.2	0.3	0.6
	50 MHz	0.15	0.3	0.5	1
	100 MHz	0.25	0.5	0.8	1.6
	200 MHz	0.4	0.8	1.1	2.2
	300 MHz	0.55	1.1	1.5	3
	470 MHz	0.7	1.4	1.8	3.6
Transfer impedance	862 MHz	0.95	1.9	2.6	5.2
	1000 MHz	1	2	2.7	5.4
	5-30 MHz	Class A†			
Screening effectiveness	30-1000 MHz	> 85 dB, Class A†			

Fulfilling standards

EN 50267, EN 50268 Smoke emission & fume density during fire

* Return loss: EN 50083-4

† Screening efficiency: EN 60966-2-5: 2010-03

Advantages

- High screening effectiveness is necessary to avoid interference
- No toxic fumes in case of fire
- Ferrite beads eliminate noise from the braid

Scan the QR code to view the latest PDF version of this datasheet.



10 January 2017



additional information

Why Class A attenuation on cable shielding?

With increasing complexity in the transmitted signals, the services are far more sensitive to interference than before. With a screening effectiveness exceeding the requirements for Class A, the installation has a very high level of resistance to interference, which leads to less pixelation and signal outage. Problems can accelerate with LTE/4G signals if proper shielding is not applied.

SHIELDED AGAINST

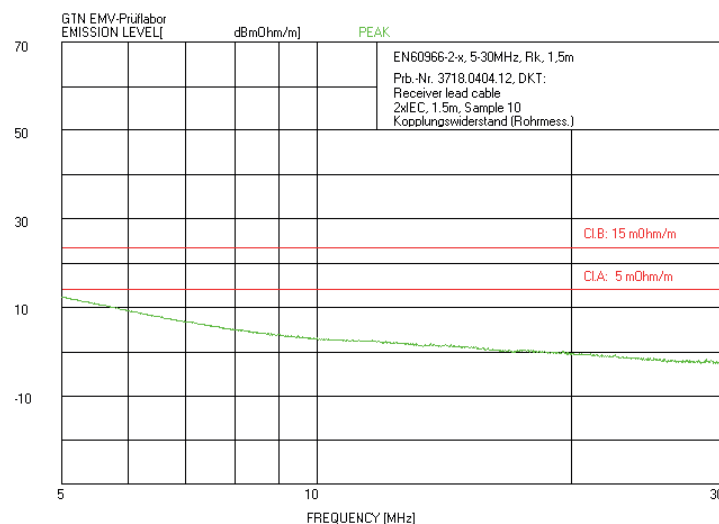
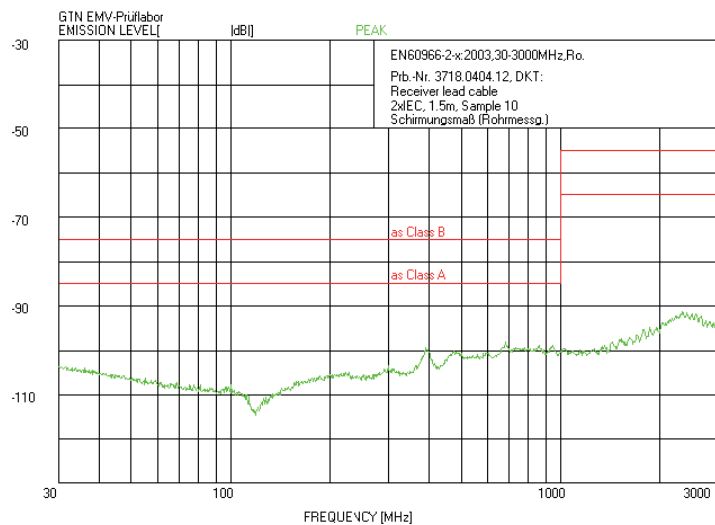


Why halogen-free cable?

Halogens are a group of environmentally damaging elements. Examples of halogens are chlorine and bromine. These elements are released in installations and can be inhaled by those in the immediate vicinity. These elements are released if there is a fire in an installation and can cause serious injury. This connection cable is manufactured without halogens, and thereby long-term damage as well as risks in case of fire are avoided.

DKTCOMEGA

Screening attenuation &



Transfer impedance

The curves are measurements for screening attenuation and transfer impedance on the connecting cable.

Scan the QR code to view the latest PDF version of this datasheet.



10 January 2017