VG 95218 part 10 A

GI-LTG 450/750 V

Heavy tough-rubber sheathed flexible cables, part 10 A.

Application

These cables are intended for use in heavy current installations and for connection of equipment. They are intended for high-duty service in dry and damp rooms, in open air and explosion hazardous areas.

These cables are approved for application in road traffic within the limits of GGVS (Gefahrengutverordnung Straße). In other respects the specifications of DIN VDE 0298 part 300 apply.

The cables are certified from the Bundesamt für Ausrüstung, Informationstechnik und Nutzung der Bundeswehr (BAAINBw).

GI-LTG 450/750 V		
Global data		
Type designation	GI-LTG	
Standard	VG 95218 part 10	
Design features		
Conductor	Round stranded, tinned copper wires acc. to. class 5 of IEC 60228.	
Insulation	Cross-linked, EPR based rubber compound.	
Core identification	According to VG 95218 part 10.	
Core arrangement	Cores round stranded, 7 core version with central filler, 12 core versions in two layers.	
Inner sheath	Cross-linked, EPR based rubber compound, colour: black.	
Outer sheath	Cross-linked, CR based rubber compound, colour: black.	
Electrical parameters		
Rated voltage	450/750 V	
Max. permissible operating voltage	AC	0.476/0.825 kV
	DC	0.619/1.238
AC test voltage	2.5 kV	
Current carrying capacity description	According to VG 95218-5, values are valid for one cable free in air at 30 °C ambient temperature.	

GI-LTG 450/750 V	
Chemical parameters	
Smoke emission	According to VG 95218-2
Flame propagation	IEC 60332-1-2
Resistance to oil	According to VG 95218-2
Ozone resistance	According to VG 95218-2
Thermal parameters	
Max. operating temperature of the conductor	90 °C
Ambient temperature for fix installation min.	-40 °C
Laying temperature min.	-15 °C
Mechanical parameters	
Max. tensile load on the conductor	15 N/mm²

Available cross sections are part of the standard.
Single datasheets with more information are available upon request.