

Applications

■ Applications of PVC control and connection cables

PVC control and connection cables are particularly suitable for control devices, e.g. on machine tools, conveyor or assembly lines, transporting equipment, production lines and construction of industrial plants. The cables can be moved after installation, especially for alignment and adjustment as well as inspection of machines, provided that the cables are not mechanically overloaded. These cables are not to be used for outdoor installation.

Exemplary applications:

05V-K/MTW/AWM/TEW
07V-K/MTW/AWM/TEW
H05Z-K
H07Z-K
H05V2-K/H05V-K
H07V2-K/H07V-K


Construction of control cabinets, appliances and devices for communication technologies, household appliances, generator, transformer and machine construction

H07RN-F

Flexible, rubber insulated, neoprene jacketed, harmonized cord recommended for use in electronic and electrical equipment such as office machines and appliances designed for export to European countries and for MRO replacement of European made equipment cables.

Selection Table

		Cable Type	H/5	H/5	H/6	H/6	H/7	H/7	H/8
Basic construction	Single conductor	05V-K/MTW/TEW 05V-K/AWM/TEW	●	●	●	●	●	●	
	Color code acc. to HD 308								●
Temperature range static	+105°C		●	●	●	●	●	●	
	+ 90°C		●	●	●	●	●	●	
	+ 60°C		●	●	●	●	●	●	
	- 25°C		●	●	●	●	●	●	●
	- 40°C		●	●	●	●	●	●	●
Voltage	Nominal Voltage UL/CSA 600 V		●	●			●	●	
	Nominal voltage U ₀ /U 300/500 V		●		●		●		
	Nominal voltage U ₀ /U 450/750 V			●		●		●	●
	Testing voltage 2000 V		●				●		
	Testing voltage 2500 V			●	●	●		●	●
Standards and approvals	Halogen-free				●	●			
	Burning characteristics: flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2		●	●			●	●	
	Burning characteristics: flame retardant and self-extinguishing acc. to UL VW-1 and acc. to CSA FT1		●	●			●	●	
	Burning characteristics: acc. to EN 60332-1-2				●	●			
	<HAR> standardized				●	● ²	●	●	●
	UL recognized		●	●			●	●	
	CSA approved		●	●			●	●	

 from ¹ from 16 - 2 AWG
² from 16 - 6 AWG
 to

*The temperature range for flexible application is mentioned on the corresponding catalog page