

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. Wherever a certain protection against electromagnetic interferences is requested cables with a copper screen can be used. These cables are not to be used for outdoor installation.

Exemplary applications:

H05V-K/MTW/TEW
H07V-K/MTW/TEW
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 index

		Cable type	H05V-K/MTW/TEW	H07V-K/MTW/TEW	H05V2-K H05V-K	H07V2-K H07V-K	H07RN-F
Basic construction	Single conductor		x	x	x	x	
	Color Code acc. to DIN VDE						x
Temperature range static*	+ 105 °C		■	■	■	■	
	+ 70 °C		■	■	■	■	
	+ 60 °C		■	■	■	■	
	- 25 °C		■	■	■	■	■
	- 40 °C		■	■	■	■	■
Voltage	Nominal voltage 600 V (UL/CSA)		x	x	x	x	
	Nominal voltage U ₀ /U 300/500 V		x		x		
	Nominal voltage U ₀ /U 450/750 V			x		x	x
	Testing voltage 2000 V		x		x		
	Testing voltage 2500 V			x		x	x
Standards and approvals	Burning characteristics: flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2		x	x	x	x	
	Burning characteristics: flame retardant and self-extinguishing acc. to UL VW-1 and acc. to CSA FT1		x	x	x	x	
	UL approved		x	x	x	x	
	CSA approved		x	x	x	x	

Temperature range:



*The temperature range for flexing is mentioned on the particular catalog page