

Sondertypen / Special Manufacturing

S05VV5-F UL/CSA schwarz

Approbierte Steuerleitung
Approved control cable



Verwendung:

These control cables are especially suitable for export-orientated machinery, plant and equipment manufactures and combine three approvals HAR, UL and CSA and can therefore be used worldwide. These inexpensive cables make work easy, facilitate economic stocking and thus speeds up the export orders. It is suitable for control equipment on machine tools, conveyor and assembly lines, haulage systems, production lines etc. subjected to medium mechanical stresses, for fixed or flexible installation, where free movement is required without tensile stresses and without forced guidance systems, in dry, damp and wet interiors (including water-oil mixtures)
[INDEX:20201001SQ]

Aufbau:

- Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
- PVC Insulation compound type TI3 according to CEI 20-11, VDE 0207 and UL 1581 – 105°C
- Black numbered cores + G.Y.
- Outer jacket in special PVC TM5 according to CEI 20-11 and VDE 0207 and UL 1581 – 105°C

Technische Daten:

Leiter Werkstoff	Kupfer, blank
Leiterklasse	Klasse 5 nach DIN VDE 0295, bzw. IEC 60228
Aderisolationwerkstoff	PVC TI3
Aderkennung	Schwarze Adern mit fortlaufendem weißen Ziffernaufdruck mit oder ohne grün/gelber Ader
Verseilung	Adern in Lagen verseilt
Außenmantelwerkstoff	PVC TM5
Mantelfarbe	schwarz
Nennspannung [V]	UL/CSA: 600V
Prüfspannung [V]	6000
Leiterwiderstand	gemäß DIN VDE 0295 Kl.5
Isolationswiderstand	
Strombelastbarkeit	DIN VDE (s. technischer Anhang)
kleinster Biegeradius fest [xd]	4 x d
kleinster Biegeradius bewegt [xd]	12.5 x d
Betriebstemp. fest min/max [C]	-40°C bis +105°C
Betriebstemp. bew. min/mac [C]	-5°C bis +105°C
Temperatur am Leiter max.	
Brandverhalten	Flame retardant, Test method B according to DIN VDE 0472 part 804, IEC 60332-1, IEC 60332-3C, UL VW1 and CSA FT1
Normen	In derogation to HD 21.13 S1, According to UL AWM style 21179 and CSA-AWM I A/B II A/B Oil-resistant according to HD21.1: TM5 and UL 1581 Class 43 The version with black outer sheath is UV and weather-resistant according to ISO 4892-3 The cable is conform to Low Voltage Directive (LVD)

Application:

These control cables are especially suitable for export-orientated machinery, plant and equipment manufactures and combine three approvals HAR, UL and CSA and can therefore be used worldwide. These inexpensive cables make work easy, facilitate economic stocking and thus speeds up the export orders. It is suitable for control equipment on machine tools, conveyor and assembly lines, haulage systems, production lines etc. subjected to medium mechanical stresses, for fixed or flexible installation, where free movement is required without tensile stresses and without forced guidance systems, in dry, damp and wet interiors (including water-oil mixtures)
[INDEX:20201001SQ]

Construction:

- Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
- PVC Insulation compound type TI3 according to CEI 20-11, VDE 0207 and UL 1581 – 105°C
- Black numbered cores + G.Y.
- Outer jacket in special PVC TM5 according to CEI 20-11 and VDE 0207 and UL 1581 – 105°C

Technical Data:

Conductor Material	Copper, bare
Conductor class	Class 5 acc. DIN VDE 0295, or IEC 60228
core insulation	PVC TI3
core identification	Black cores with white numerals with or without green/yellow
stranding	Cores twisted in layers
outer sheath	PVC TM5
sheath colour	black
rated voltage [V]	UL/CSA: 600V
testing voltage [V]	6000
conductor resistance	according to DIN VDE 0295 Cl. 5
insulation resistance	
current carrying capacity	DIN VDE (s. technical guidelines)
min. bending radius fixed [xd]	4 x d
min. bending radius moved [xd]	12.5 x d
working temp fixed min/max [C]	-40°C up to +105°C
working temp moved min/mac [C]	-5°C up to +105°C
temp at conductor max.	
burning behaviour	Flame retardant, Test method B according to DIN VDE 0472 part 804, IEC 60332-1, IEC 60332-3C, UL VW1 and CSA FT1
Approvals	In derogation to HD 21.13 S1, According to UL AWM style 21179 and CSA-AWM I A/B II A/B Oil-resistant according to HD21.1: TM5 and UL 1581 Class 43 The version with black outer sheath is UV and weather-resistant according to ISO 4892-3 The cable is conform to Low Voltage Directive (LVD)

Kabel / Cable

Art Nr. Part No.	Adern x Querschnitt no. of cores x cross section	Außen Ø ca. mm outer Ø ca. mm	CU Gewicht kg/100m copper weight kg/100m	Gewicht kg/100m weight kg/100m
856080100	8 x 1 no earth	11.20	7.68	20.24
856080100JZ	8 x 1 with earth	11.20	7.68	20.24
856080150	8 x 1.50 no earth	13.30	11.52	29.02
856080150JZ	8 x 1.50 with earth	13.30	11.52	29.02

Kontakt:

kabeltec GmbH | Werkstr. 43 | D-78727 Oberndorf a. N. | Tel.: +49 7423 921-0 | Fax: +49 7423 921-282

| kabeltec@kabeltec.de