Kontakt:

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Sondertypen / Special Manufacturing

THHW MTW UL HAR

Verwendung:

These power single core cables are especially for export-oriented machinery. It is suitable for control equipment on machine tools 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 rooms, including water-oil mixtures.
In accordance with NEC "National Electrical Code" Art. 402 (18 and 16 AWG) and Art 310 for bigger sizes
[INDEX:20201001SQ]

Application:

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Aufbau:

-flexible bare copper conductores according to CEI 20-29, Class 5, DIN-VDE 0295 K5, UL 83 and UL 1063 standard
- special PVC Insulation compound type QMTT2

Construction:

-flexible bare copper conductores according to CEI 20-29, Class 5, DIN-VDE 0295 K5, UL 83 and UL 1063 standard
- special PVC Insulation compound type QMTT2

Technische Daten:

Leiter Werkstoff	Kupfer, blank
Leiterklasse	Klasse 5
Aderisolationwerkstoff	Spezial PVC QMTT2
Aderkennung	
Verseilung	
Außenmantelwerkstoff	
Mantelfarbe	grün/gelb
Nennspannung [V]	UL 600V HAR H05V-K 300/500V HAR H07V-K 450/750V
Prüfspannung [V]	6000
Leiterwiderstand	
Isolationswiderstand	
Strombelastbarkeit	
kleinster Biegeradius fest [xd]	4 x AD
kleinster Biegeradius bewegt [xd]	13 x AD
Betriebstemp. fest min/max [C]	UL -40°C bis +90°C HAR -40°C bis 70°C
Betriebstemp. bew. min/mac [C]	UL -5°C bis +90°C HAR -5°C bis 70°C
Temperatur am Leiter max.	
Brandverhalten	Flame retardant, Test method B acc. to DIN VDE 0472 part 801, IEC 60332-1, UL VW-1 and CSA FT1
Normen	UL 83 type THHW (Oil resistant acc. to UL OIL RES I) for sections starting from AWG14 UL1063 MTW Construction A for sections AWG18 and AWG16 CSA type TW75 according CSA 75-14 Standard for Thermoplasitc-Insulated Wires American and Canadian Ul recognized UL AWM styles 1015 and CSA AWM I A CEI 20-20/3 4th Edition 1996+V1:2002+V2:2009 and HD 21.3 S3:1995+A1:1999+A2:2008- H05V-K type for section 1,00m² and H07V-K type for

Technical Data:

Conductor Material	bare copper
Conductor class	Class 5
core insulation	Special PVC QMTT2
core identification	
stranding	
outer sheath	
sheath colour	green/yellow
rated voltage [V]	UL 600V HAR H05V-K 300/500V HAR H07V-K 450/750V
testing voltage [V]	6000
conductor resistance	
insulation resistance	
current carrying capacity	
min. bending radius fixed [xd]	4 x OD
min. bending radius moved [xd]	13 x OD
working temp fixed min/max [C]	UL -40°C to +90°C HAR -40°C to 70°C
working temp moved min/mac [C]	UL -5°C to+90°C HAR -5°C to70°C
temp at conductor max.	
burning behaviour	Flame retardant, Test method B acc. to DIN VDE 0472 part 801, IEC 60332-1, UL VW-1 and CSA FT1
Approvals	UL 83 type THHW (Oil resistant acc. to UL OIL RES I) for sections starting from AWG14 UL1063 MTW Construction A for sections AWG18 and AWG16 CSA type TW75 according CSA 75-14 Standard for Thermoplasitc-Insulated Wires American and Canadian Ul recognized UL AWM styles 1015 and CSA AWM I A CEI 20-20/3 4th Edition 1996+V1:2002+V2:2009 and HD 21.3 S3:1995+A1:1999+A2:2008- H05V-K type for section 1,00m² and H07V-K type for sections starting

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
	1 x 16	8.5	15.36	19.08
	1 x 50	14.3	48.00	56.35

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