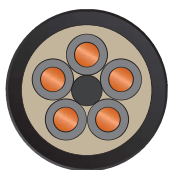
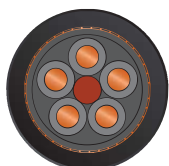


Conductix-Wampfler Cable TXP / TXP-D

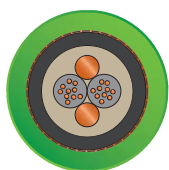
PUR round cable for heavy duty festoon



- Small dimensions and bending radii
- Highly flexible copper conductors
- Abrasion and cutproof outer jacket material PUR



- Wide temperature range thanks to special materials
- Halogen free sheathing materials



Particularly suitable,

- when a halogen free cable with resistance to atmospheric corrosion is important
- if the priority is a robust and durable system with high reliability
- if dynamic travel speed and acceleration force act on the system
- when frequent and continuous bending of the cable is expected

Characteristics

Cable designed for continuous heavy duty environment, specially adapted for use in conveying machinery

Typical applications

- All horizontal or vertical operating machinery with energy guiding chains such as container crane trolley power supply
- Theatres or other scenic applications with moveable machinery where "halogene free" and "flame retardant" compounds are a must
- Process cranes and conveyor equipment indoors and outdoors with wide temperature range, with severe atmospheric conditions

Electrical parameters

Rated voltage $U_0/U = 0.6 / 1 \text{ kV}$

Mechanical load-bearing capacity

Travel speed up to 210 m/min
(> 210 m/min on request)

Minimum bending radii
 4 x Ø fixed installation
 6 x Ø festoon trolleys
 7.5 x Ø energy guiding chains

Maximum travel length 100 m

Thermal / Chemical specifications

Ambient temperature
 - flexing -40°C... +90°C
 - fixed -50°C... +90°C

Highest allowance on operational temperature at conductor: 90 °C

Short circuit temperature at conductor: 200 °C

Important features

- Resistant to Ozone
- Oil resistant acc DIN EN 60811-2-1
- UV-resistant
- Low flammability acc. IEC 60332-1 plus FT1
- Silicone free

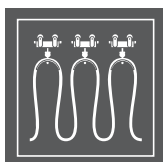
Design features

Conductor flexible copper class 5
 Sheath abrasion-resistant PUR, cutproof, low adhesion
 Color black
 Core insulation base material polyester

Shielded Types

Overall shield tinned copper braid approx. 85% coverage

Type 12YHRD11YH / 12YHRDC11YH



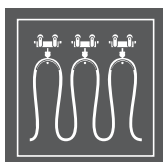
Conductix-Wampfler Cable TXP

Order information

Type of cable	Number of conductors and cross section [mm ²]	Order-No.	Outer – Ø min./max. [mm]	Cu – Number approx. [kg/km]	Weight approx. [kg/km]	Permitted tensile load [N]	Minimum Order Quantity required ⁽²⁾
Control cable TXP Uo/U 0.6/1 kV	4 G 1.5	131240-R4G1.5#	8.5 – 9.5	58	140	90	-
	12 G 1.5	131240-R12G1.5#	14.2 – 15.8	173	260	270	-
	18 G 1.5	131240-R19G1.5#	15.2 – 16.8	259	340	400	-
	24 G 1.5	131240-R24X1.5#	16.2 – 17.8	346	480	540	-
	4 G 2.5	131240-R4G2.5#	9.5 – 10.5	96	190	150	-
	5 G 2.5	131240-R5G2.5#	9.5 – 10.5	120	210	180	-
	7 G 2.5	131240-R7G2.5#	11.5 – 12.5	168	295	260	-
	12 G 2.5	131240-R12G2.5#	16.2 – 17.8	288	463	450	-
	18 G 2.5	131240-R18G2.5#	16.7 – 18.3	432	576	675	-
	24 G 2.5	131240-R24X2.5#	19.0 – 21.0	576	758	900	-
Screened Control cable TXP Uo/U 0.6/1 kV	4 G 1.5C	131241-R4G1.5 C#	9.0 – 10.0	118	200	90	•
	5 G 1.5C	131241-R5G1.5 C#	11.0 – 12.0	177	322	110	•
	7 G 1.5C	131241-R7G1.5 C#	12.5 – 13.5	192	330	155	-
	12 G 1.5C	131241-R12X1.5 C#	15.2 – 16.8	336	410	270	-
	18 G 1.5C	131241-R18X1.5 C#	16.2 – 17.8	428	550	405	-
	4 G 2.5C	131241-R4G2.5 C#	10.5 – 11.5	157	257	150	•
	5 G 2.5C	131241-R5G2.5 C#	12.5 – 13.5	290	292	185	•
	12 G 2.5C	131241-R12G2.5 C#	17.7 – 19.3	370	646	450	-
	18 G 2.5C	131241-R18G2.5 C#	17.2 – 19.2	690	621	675	-

⁽²⁾ The Minimum Order Quantity is 300 m, please contact us.



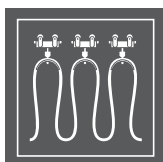


Conductix-Wampfler Cable TXP / TXP-D

Order information

Type of cable	Number of conductors and cross section [mm ²]	Order-No.	Outer – Ø min./max. [mm]	Cu – Number approx. [kg/km]	Weight approx. [kg/km]	Permitted tensile load [N]	Minimum Order Quantity required ⁽²⁾
Power cable TXP Uo/U 0.45/0.75 kV	1 x 25	131140-R1x25#	9.9 – 11.1	240	270	375	-
	1 x 35	131140-R1x35#	11.7 – 12.9	336	380	525	-
	1 x 50	131140-R1x50#	13.9 – 15.1	480	530	750	•
	1 x 70	131140-R1x70#	16.2 – 17.4	672	740	1.050	-
	1 x 95	131140-R1x95#	17.9 – 19.1	912	940	1.425	-
	1 x 120	131140-R1x120#	20.2 – 21.5	1.152	1.200	1.800	•
	1 x 150	131140-R1x150#	21.8 – 23.2	1.440	1.490	2.250	•
	1 x 185	131140-R1x185#	24.3 – 25.7	1.776	1.830	2.775	•
	4 G 4	131140-R 4G4#	10.3 – 11.5	154	230	240	-
	4 G 6	131140-R 4G6#	12.1 – 13.2	230	320	360	-
	4 G 10	131140-R 4G10#	15.2 – 16.2	384	520	600	-
	4 G 16	131140-R 4G16#	17.7 – 18.9	614	750	960	-
	4 G 25	131140-R 4G25#	21.1 – 22.5	960	1.160	1.500	-
	4 G 35	131140-R 4G35#	25.8 – 27.3	1.344	1.660	2.100	-
	4 G 50	131140-R 4G50#	31.0 – 33.0	1.920	2.400	3.000	-
	5 G 4	131140-R 5G 4#	11.6 – 12.7	192	290	300	•
	5 G 6	131140-R 5G6#	14.0 – 15.2	288	420	450	•
	5 G 10	131140-R 5G10#	16.2 – 17.5	480	630	750	•
	5 G 16	131140-R 5G16#	19.4 – 20.6	768	930	1.200	•
	5 G 25	131140-R 5G25#	23.2 – 24.5	1.200	1.380	1.875	•
Screened Power cable TXP Uo/U 0.6/1 kV	1 x 25C	131141-R1x25C#	10.3 – 11.5	310	330	375	-
	1 x 35C	131141-R1x35C#	12.3 – 13.5	406	430	525	-
	1 x 50C	131141-R1x50C#	15.4 – 16.6	550	610	750	-
	1 x 70C	131141-R1x70C#	17.0 – 18.3	747	810	1.050	-
	1 x 95C	131141-R1x95C#	18.9 – 20.1	998	1.030	1.425	-
	1 x 120C	131141-R1x120C#	21.4 – 22.8	1.306	1.320	1.800	-
	1 x 150C	131141-R1x150C#	23.1 – 24.5	1.613	1.650	2.250	-
	1 x 185C	131141-R1x185C#	25.5 – 27.2	1.903	2.000	2.775	-
	4 G 4C	0675-4G4C#	11.5 – 12.5	221	340	240	-
	4 G 6C	0675-4G6C#	13.0 – 14.0	300	410	360	-
	4 G 10C	0675-4G10C#	15.7 – 17.3	454	710	600	-
	4 G 16C	0675-4G16C#	18.7 – 20.3	694	1.020	960	-
	4 G 25C	0675-4G25C#	23.5 – 25.5	1.050	1.168	1.500	-
	4 G 35C	0675-4G35C#	27.5 – 29.5	1.444	1.666	2.100	-
	4 G 50C	0675-4G50C#	32.8 – 35.2	2.030	2.457	3.000	-
Data cable TXP-D 0.6/1 kV	6 x (2x1)	131342-R6x(2x1)C#	19.0 – 20.3	265	640	300	-

⁽²⁾ The Minimum Order Quantity is 300 m, please contact us.



Conductix-Wampfler Cable TXP / TXP-D

Technical data

Electrical parameters	rated voltage U ₀ /U	600 / 1000V
	maximum permitted AC operating voltage U ₀ /U	700 / 1200V
	maximum permitted DC operating voltage U ₀ /U	900 / 1800V
	ampacity	according to table data, otherwise according to DIN VDE 0298 part 4
	AC test voltage power	2.5 kV in AC
	AC test voltage control	2.0 kV in AC
Thermal parameters	ambient temperature	flexing -40°C to +90°C for temperatures below -40°C please consult with us fixed -50°C to +90°C
	maximum permitted operating temperature of the conductor	90°C
	short-circuit temperature of the conductor	200°C
Mechanical parameters	minimum bending radii allowing for free movement	6 x Ø for fixed installation
		6 x Ø for festoon
		7.5 x Ø for energy guiding chains
Chemical parameters	LBS-free / silicone-free	yes
	combustion behaviour	of low flammability according IEC 60332-1
	resistant to ozone	yes
	UV-resistant	yes
	oil-resistant	yes, DIN EN 60811-2-1
	halogen free	yes (except 2x2x0,75C)
	resistant to humidity	yes
	resistant to Sulfur	yes
	resistant to Urea	yes
Materials	insulation	Based on Polyester or TPE
	outer sheath	PUR (Polyurethane), color black
Design features	conductor	bare electrolytic copper, very flexible, class 5 acc. DIN VDE 0295 / EN 60228
	stranding	in layers up to 11 conductors, > 12 conductors bundle layering, optimized length of lay
	conductor coding	acc. DIN VDE 0293 part 308, > 5 conductors black with white numbers with green/yellow earth conductor
Standards		according to DIN VDE 0250 part 813
Design codes	12YHRD11YH	12YH core insulation based on polyester PE halogen free
	12YHRDC11YH	RD round cable
		C shield of braided copper
		Overall shield or screened pairs of conductors
		11YH router sheath based on polyurethane PUR, halogen free