Self-supporting pendant & lift cables

FYMYTW / 2ST Pendant

FYMYTW (2ST) 300/500 V Self-Supporting PVC Pendant Control Cable

Figure-8 pendant push-button control cable with two opposing steel support ropes



300/500 V | **2 × Steel Support Ropes** | **Pendant Push-Button Control**

Application

Self-supporting 300/500 V PVC pendant control cable (CRANE-2ST / FYMYTW) for crane push-button stations and hoists, with Class 5 copper cores, numbered PVC insulation and two opposing galvanized steel wire ropes (2,100 N each) in side webs.

Typical uses: Overhead bridge & workshop cranes, Electric chain & wire-rope hoists, Monorail & jib crane pendant switches, Warehouse & assembly-line gantries, Stage & industrial lifting gear, Machine tool pendant stations

Construction





Cross-section, not to scale

1	Conductor	IEC 60228 / DIN VDE 0295 Class 5
2	Core insulation	DIN VDE 0207 / VDE 0293
3	Wrapping	
4	Supporting elements (2 × steel)	
5	Outer sheath	

Technical data

Typical values

Rated voltage U0/U	300/500 V	**AC test voltage**	4,000 V (5 min)
Operating temperature — flexing	-15 to +70 °C	**Max. conductor operating temperature**	+70 °C (short-circuit +160 °C)
Integrated strain relief	2 opposing galvanized steel wire ropes embedded in outer sheath webs (2,100 N tensile load per steel element)	**Min. bending radius**	20 × cable diameter D for occasional flexing
Standards	IEC 60228 Class 5 fine-wire bare copper · Black PVC cores with white numbers + green-yellow earth (VDE 0293)	**Standard packing**	500 m / 1,000 m on drums or cut-to-length pendant drops

Sizes

9 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Cores × mm²	AWG ≈	Body Ø mm	Width over webs mm	Copper kg/km	Weight ≈ kg/km	Min. bend R mm	Steel load (2×) N
1.5 mm² (5G–30G) 6 sizes								
☐ CRANE-2ST 5G1.5	5 G 1.5	16	8.7	15.7	72	183	174	4,200
☐ CRANE-2ST 8G1.5	8 G 1.5	16	13.6	19.0	115	430	272	4,200
☐ CRANE-2ST 12G1.5	12 G 1.5	16	15.5	21.0	173	510	310	4,200
☐ CRANE-2ST 16G1.5	16 G 1.5	16	15.2	22.4	230	464	304	4,200
☐ CRANE-2ST 20G1.5	20 G 1.5	16	20.0	25.0	288	720	400	4,200
☐ CRANE-2ST 30G1.5	30 G 1.5	16	20.5	27.6	432	761	410	4,200
1.0 mm² (12G–25G) 3 sizes								
☐ CRANE-2ST 12G1.0	12 G 1.0	18	12.0	18.8	115	290	240	4,200
☐ CRANE-2ST 18G1.0	18 G 1.0	18	14.3	21.3	173	396	286	4,200
☐ CRANE-2ST 25G1.0	25 G 1.0	18	17.1	24.3	240	520	342	4,200

– Body Ø / Width over webs (mm) denotes the round cable body diameter and the total width across the two opposing external steel-rope webs.

Electrical & conductor data

2 sizes

Cross-section mm²	AWG ≈	Max. R20 Ω/km	Base rating in air 30 °C, A	Short-circuit 1 s kA
1.0	18	19.5	15	0.12
1.5	16	13.3	18	0.17

– Apply DIN VDE 0298-4 multicore grouping factors for simultaneously loaded control cores.

Standards and approvals

Certifications

Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone
+86 185 9591 3361

Email
info@tebaoflex.com

Web
tebaoflex.com/cables/crane-2st-self-supporting-pvc-control-cable

Typical values for this cable type, based on DIN VDE 0285 / IEC 60227. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.