

CREATE WORLD RENOWNED BRAND
BUILD AN INTERNATIONAL EXCELLENT ENTERPRISE



RAILWAY CABLES

Global Information and
Energy Network Service Provider

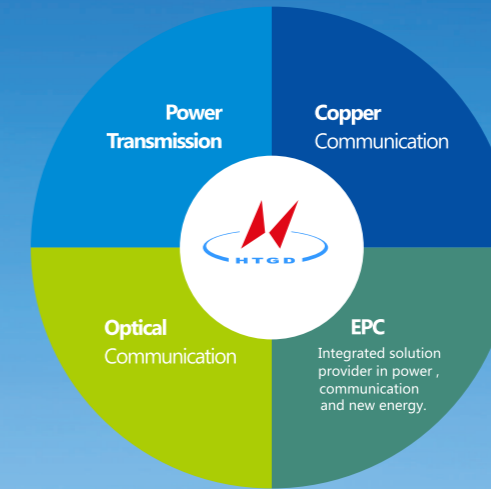


Global Information and
Energy Network Service Provider

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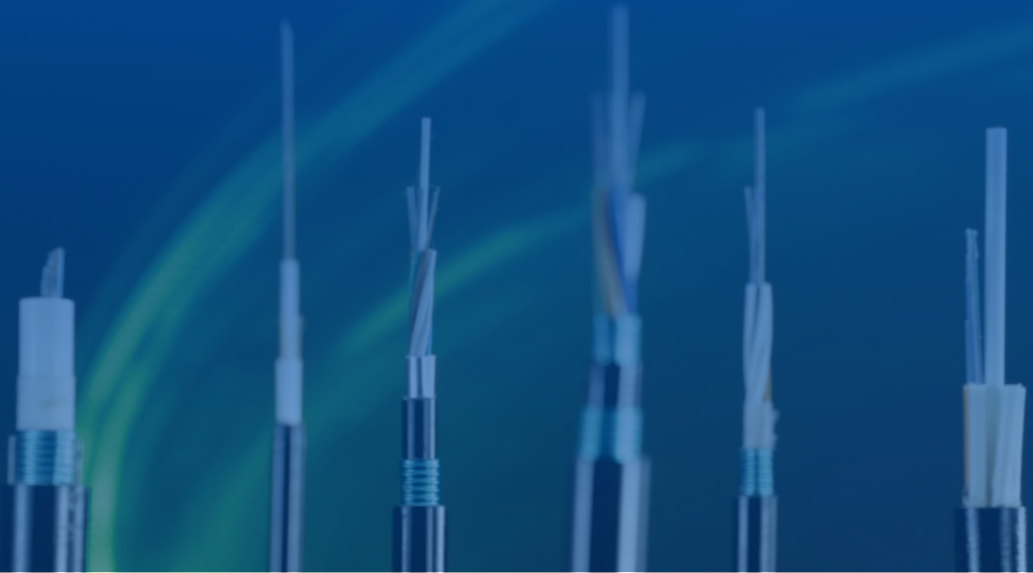
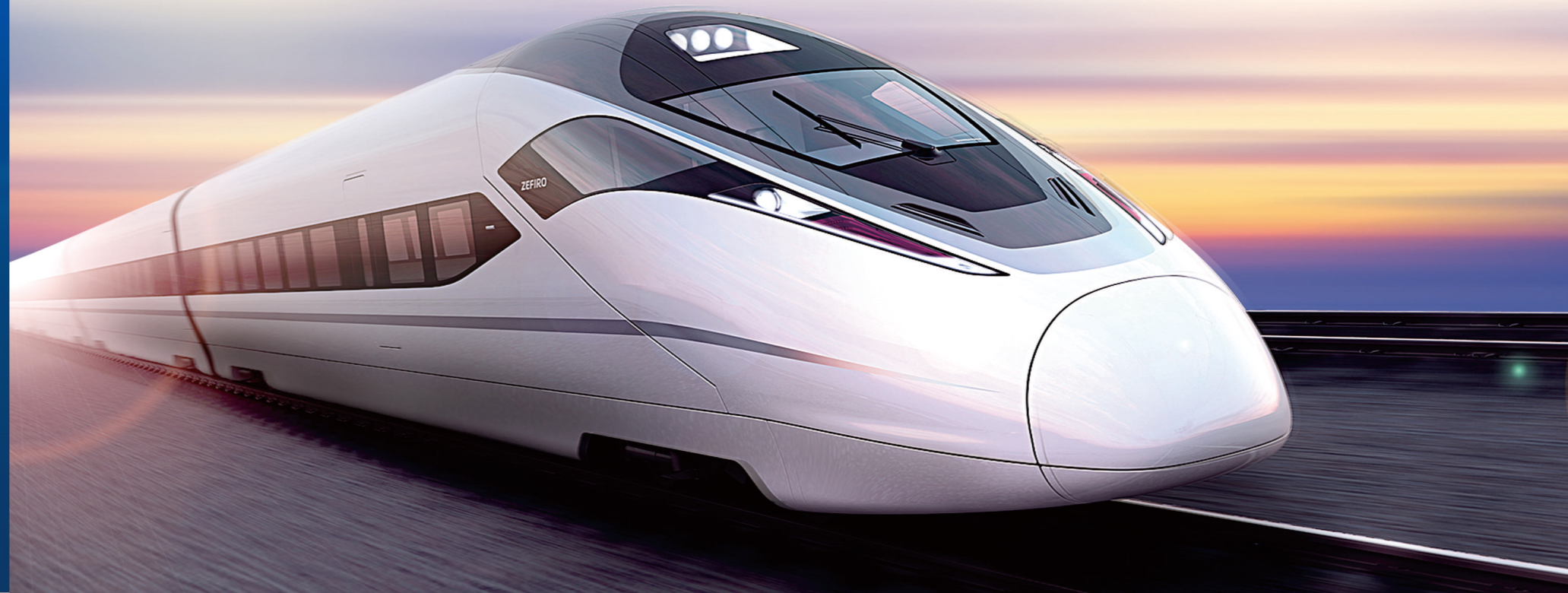
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HENGTONG OPTIC-ELECTRIC

Connecting Smarter Future

HENGTONG OPTIC-ELECTRIC, a member of HENGTONG GROUP, is a global information and energy network service provider, aimed for high-end technology and products, conformed to the industrial trends of telecommunication and electric power, dedicated to the needs of optical communication, power distribution & transmission and a variety of special transmission applications.



HENGTONG OVERVIEW

<p>Founded in 1991, IPO in 2003, Stock code: SH.600487</p>	<p>The world's 2nd largest cable manufacturer (CRU 2014)</p>	<p>China's top 500 enterprises (328th,2015)</p>	<p>Annual turnover 7.2 billion USD (2015)</p>	<p>50 Global Subsidiary companies, 13000 staffs(2015)</p>
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Business Units

- Optical Communication**
 Preform - Optical fibers (Capacity: 60million fkm/year) - Optical fiber cables, ODN, Submarine optical fiber cables.
- Power Transmission**
 Cables from Low voltage to High voltage, EHV(up to 500KV), Submarine power cables, High-speed railway contact wires, OPGW.
- Copper Communication**
 Railway signal cables, Balise cables, Axle counting cables, Lan cables.
- Raw Material for Wires and Cables**
 Integrates solution provider in power, communication and new energy.



Global Partner



Application Areas



Industry Location



Sales & technical service institution

United Arab Emirates	fubo@htgd.com.cn
Jordan	huangff@htgd.com.cn
Iran	songzy@htgd.com.cn
Egypt	zhengc@htgd.com.cn
Algeria	lixugd@htgd.com.cn
Kenya	lintao@hengtonggroup.com
Nigeria	lijun@htgd.com.cn
South Africa	jinpeng@htgd.com.cn
Mozambique	anzy@hygd.com.cn
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Cambodia	huangyj@htgd.com.cn
Philippines	shengxd@hengtonggroup.com
Malaysia	liuc@htgd.com.cn
Sri_Lanka	shenliming@htgd.com.cn
Taiwan	fengtao@hengtonggroup.com
Australia	xuexun@htgd.com.cn
Pakistan	szwang@hengtonggroup.com
India	hexy@hengtonggroup.com
Russia	xuq@htgd.com.cn
Turkey	lijungd@hengtonggroup.com
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Ecuador	wuwj@htgd.com.cn

● CHINA
HENG TONG Optic-Electric Co.,Ltd.
Series of Telecom and Power
Transmission Products

● SOUTH AFRICA
Aberdare Cable Proprietary Limited
LV/MV/HV Power Cables /
Overhead Bare Conductors

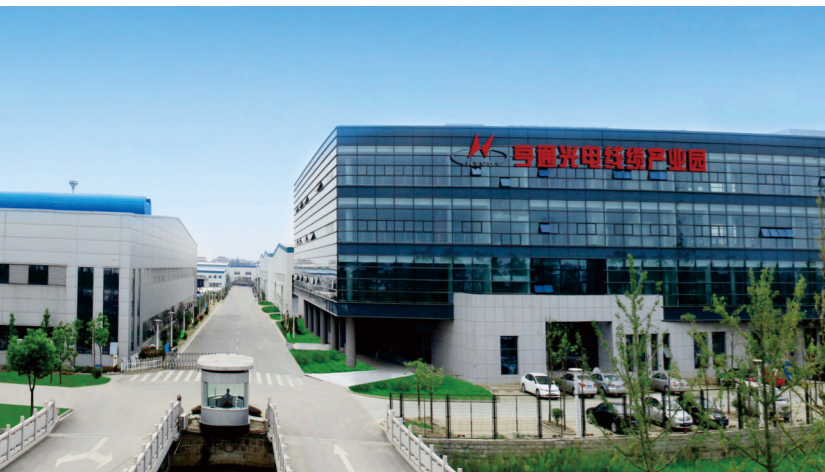
● SPAIN
Cables de Comunicaciones Zaragoza,S.L
Optical Fiber Cables / Telecom Cables /
Railway Signal Cables

● BRAZIL
HT Cabos E Tecnologia LTDA
Optical Fiber Cables

● PORTUGAL
ALCOBRE - Condutores Eléctricos, S.A.
Telecom Cables / LV Power Cables /
Railway Signal Cables

● INDONESIA
PT Voksel Electric Tbk
LV/MV/HV Power Cables / Telecom Cables /
Optic Fiber / OPGW





Company Introduction

Technology & quality



Jiangsu Hengtong Wire&Cable Technology Co., Ltd. (Hengtong Wire&Cable) is founded in 1991. We are specialized in the manufacture and sales of wire and cable products. Now we are known as the national R&D manufacturer with the largest scale and the most complete product series, and set foot in the fields of communication cable, track traffic and industrial special cable. We provide excellent customized products, meanwhile we

also provide system solutions in communication engineering design, construction, testing, technical training and other areas. Our products are widely used in major telecommunication operators, radio and television, state route, railway, metropolitan area network, intelligent buildings, new resource and special industry, and enjoy great popularity both at home and abroad.

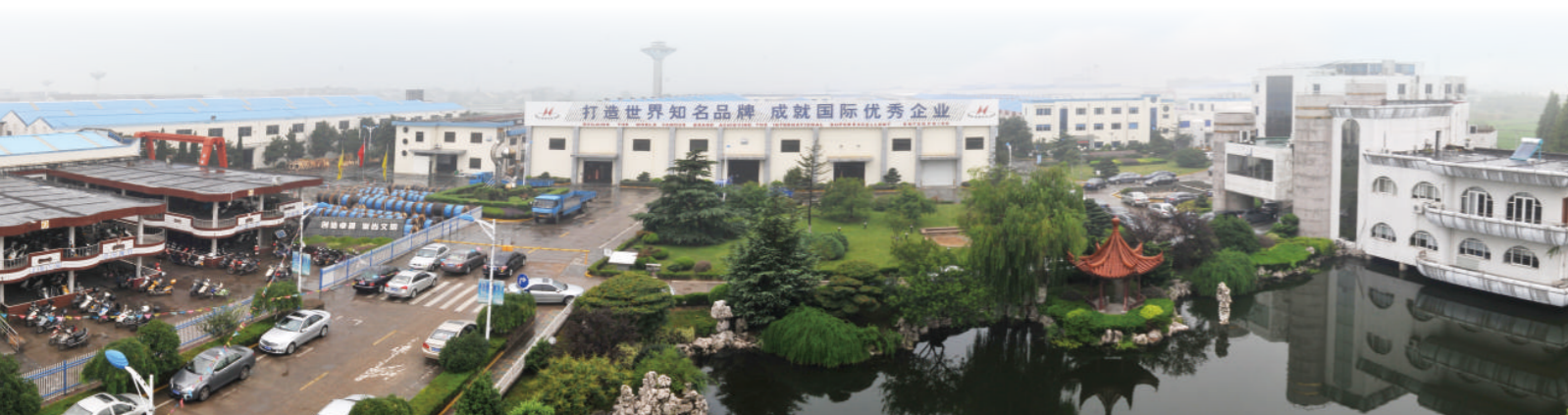
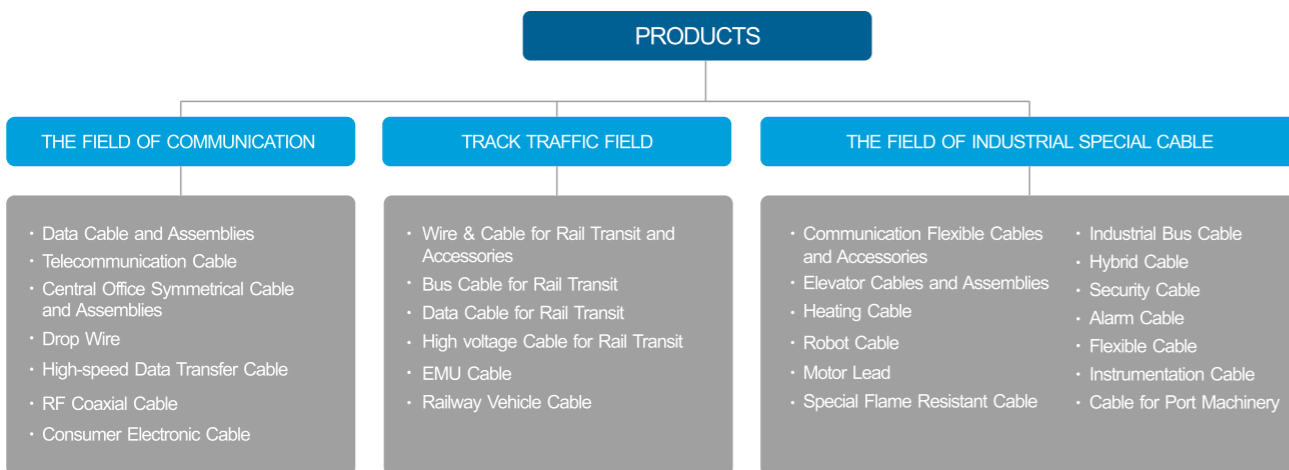
R&D Innovation System

The company vigorously implements technological innovation, and attends to the fundamental shift from production, R&D to R&D, production. There are some innovative platforms in ours: National Post-doctoral Research Station, State-level Enterprise Technical Center, Jiangsu Optical Transmission Engineering Research Center, Jiangsu Province Academician Workstation and Jiangsu Province Graduate Workstation, which provide foreign cooperation platform and technical support for the company's industry upgrade, product transformation and enterprise innovation. Annually the company invests heavily in R&D, moreover, through establishing a set of scientific encouragement measures, the company has developed a large number of R&D personnel only promoting the company's continuable and healthy development.



Quality Assurance System

The company has perfect management system and state-level measurement system, including ISO9001, ISO14001, OHSAS18001 and so on, and its product has been certified by a series of standards, such as UL, cUL, VDE, CE, TUV, ANATEL, TISI, CRCC, CCC, TLC etc. Introducing domestic and foreign advanced testing equipment, we have set up a product quality traceability mechanism combining bar code system and ERP in the whole production process, and a quality management system guided by Failure Mode and Effects Analysis (FMEA). Based on this, the quality of our product has been improved substantially. Moreover, we provide the excellent solutions for your demands. Our aim is making the users enjoying satisfied products and excellent services.



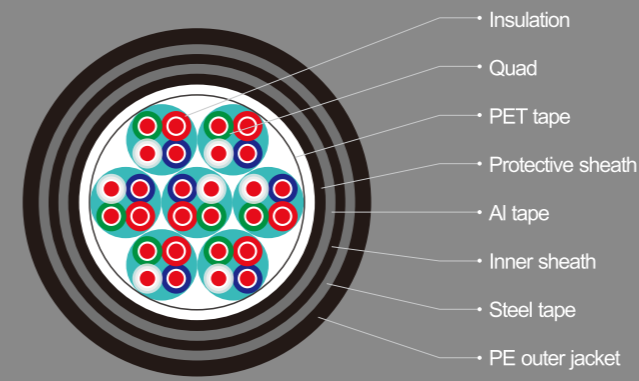
Wire & Cable for Rail Transit and Appendixes

Product Application

Our products mainly cover railway signal cable, railway digital signal cable, long-distance railway symmetrical communication cable, data transmission cable for balise, railway loop cable, railway counting axle signal cable, railway link-up cable and so on. We can provide not only wire & cable products and necessary appendixes, but also special products and different solutions to the users' requirements.



Railway Counting Axle Integrated Signal Cable with Al Sheath



PRODUCT DESCRIPTION

Rated temperature	-40~60°C
Rated voltage	AC 500V or DC 1000V
Reference standard	Q/320584 VTX016-2011
Annealed soft copper wire	
Solid PE insulation	
Al tape screen	
Steel tape armouring	
PE Jacket(including WDZC&FBY)	



Railway signal cable	Railway digital signal cable	Railway counting axle signal cable
Data transmission cable for balise	Long-distance railway symmetrical communication cable	Railway loop cable
Railway link-up cable	Railway link-up cable appendixes	Line of contact

Application

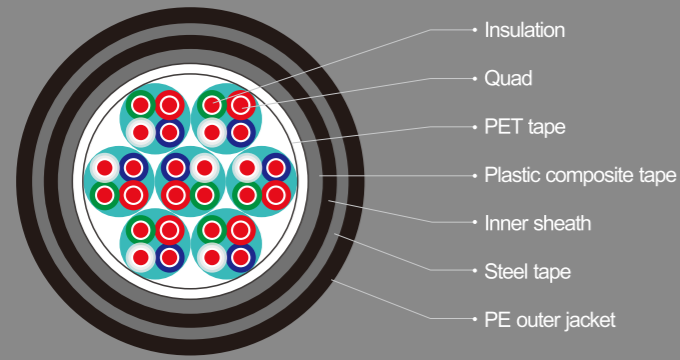
- Used in electrified railway area or non-electrified railway area with fixed installation at rated voltage AC 500V or DC 1000V and below.

Technical Specification

TYPE	CONDUCTOR		INSULATION	JACKET	REFERENCE WEIGHT (kg/km)	
	Nom.Dia(mm)	Nom.Dia(mm)	Nom.Dia(mm)	Nom.Dia(mm)		
PJZL23	4	0.9	1.0	2.1	20.0	514.68
	8	0.9	1.0	2.1	20.5	568.87
	12	0.9	1.0	2.1	21.5	636.77
	16	0.9	1.0	2.1	23.5	750.24
	22	0.9	1.0	2.1	24.0	821.32
	24	0.9	1.0	2.1	25.5	890.59
	26	0.9	1.0	2.1	25.5	909.91
	28	0.9	1.0	2.1	26.6	969.69
	30	0.9	1.0	2.1	26.6	989.49
	32	0.9	1.0	2.1	27.2	1024.00
	33	0.9	1.0	2.1	27.2	1033.66
	34	0.9	1.0	2.1	27.8	1058.50
	36	0.9	1.0	2.1	28.7	1115.64
	38	0.9	1.0	2.1	28.7	1135.36
	40	0.9	1.0	2.1	29.7	1180.45
	42	0.9	1.0	2.1	29.7	1199.77
	44	0.9	1.0	2.1	30.7	1257.39
	46	0.9	1.0	2.1	31.2	1289.60
48	0.9	1.0	2.1	31.9	1331.99	
50	0.9	1.0	2.1	32.4	1376.08	
56	0.9	1.0	2.1	33.4	1472.63	
58	0.9	1.0	2.1	35.5	1584.47	



Railway Counting Axle Integrated Signal Cable with Composite Sheath

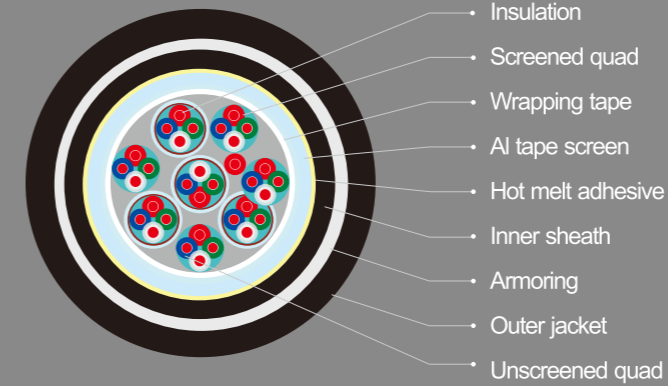


PRODUCT DESCRIPTION

Rated temperature	-40~60°C
Rated voltage	AC 500V or DC 1000V
Reference standard	Q/320584 VTX016-2011
Annealed soft copper wire	
Solid PE insulation	
Plastic composite tape	
Steel tape armouring	
PE Jacket(including WDZC&FBY)	



Railway Digital Signaling Cable with Screened Unit and Al Sheath



PRODUCT DESCRIPTION

Rated temperature	70°C
Rated voltage	AC 750V or DC 1100V
Reference standard	TB/T3100.1-5-2004
TR annealed soft copper wire	
Foamed skin PE insulation	
Copper tape screen	
Al tape screen	
PE inner sheath	
Double steel tape	
PE outer jacket(including WDZC&FBY)	



Application

- Used in electrified railway area or non-electrified railway area with fixed installation at rated voltage AC 500V or DC 1000V and below.

Technical Specification

TYPE	CONDUCTOR		INSULATION	JACKET	REFERENCE WEIGHT (kg/km)	
	Nom.Dia(mm)	Nom.Dia(mm)	Nom.Dia(mm)	Nom.Dia(mm)		
PJZA23	4	0.9	1.0	2.1	14.7	225.0
	8	0.9	1.0	2.1	17.7	318.0
	12	0.9	1.0	2.1	18.7	369.4
	14	0.9	1.0	2.1	18.7	388.8
	16	0.9	1.0	2.1	20.7	444.2
	22	0.9	1.0	2.1	21.2	511.4
	24	0.9	1.0	2.1	22.7	557.9
	26	0.9	1.0	2.1	22.7	577.3
	28	0.9	1.0	2.1	23.7	616.3
	30	0.9	1.0	2.1	24.2	643.7
	32	0.9	1.0	2.1	24.7	672.2
	33	0.9	1.0	2.1	24.7	681.8
	34	0.9	1.0	2.1	25.2	699.6
	36	0.9	1.0	2.1	25.7	728.6
	38	0.9	1.0	2.1	25.7	748.3
	40	0.9	1.0	2.1	26.7	785.4
	42	0.9	1.0	2.1	26.7	804.7
	44	0.9	1.0	2.1	27.7	842.0
46	0.9	1.0	2.1	28.2	870.3	
48	0.9	1.0	2.1	28.9	908.9	
50	0.9	1.0	2.1	29.4	936.2	
56	0.9	1.0	2.1	30.6	1022.2	

Application

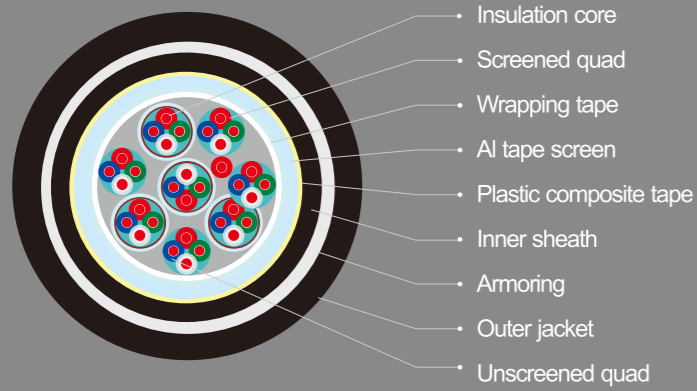
- Mainly used in railway signaling systems connecting equipment and control devices, achieving transmitting system controlling information and power of 1MHz (analog signal), 2MHz / s (digital signal), the rated voltage 750V AC or 1100V DC and below.

Technical Specification

TYPE	Size	Screened Quad	Unscreened Quad	Core	Outer Diameter (mm)	Reference Weight (kg/km)	Size	Screened Quad	Unscreened Quad	Core	Outer Diameter (mm)	Reference Weight (kg/km)
SPTYWPL23	8B	2	-	-	28	783	28B	7	-	-	38	1422
	12A	2	1	-	30	803	30A	4	3	2	36	1295
	12B	3	-	-	29	877	30B	7	-	2	38	1440
	14A	2	1	2	28	842	33A	4	4	1	37	1346
	14B	3	-	2	29	909	33B	8	-	1	37	1549
	16A	2	2	-	30	883	37A	4	5	1	37	1424
	16B	4	-	-	34	1049	37B	9	-	1	39	1671
	19A	3	1	3	31	974	42A	5	5	2	40	1539
	19B	4	-	3	34	1077	42B	10	-	2	44	1894
	21A	3	2	1	33	1033	44A	6	5	-	42	1633
	21B	5	-	1	35	1213	44B	11	-	-	46	1982
	24A	4	2	-	35	1172	48A	6	6	-	42	1687
	24B	6	-	-	38	1357	48B	12	-	-	48	2060
	28A	4	3	-	38	1268						



Railway Digital Signaling Cable with Screened Unit and Composite Sheath

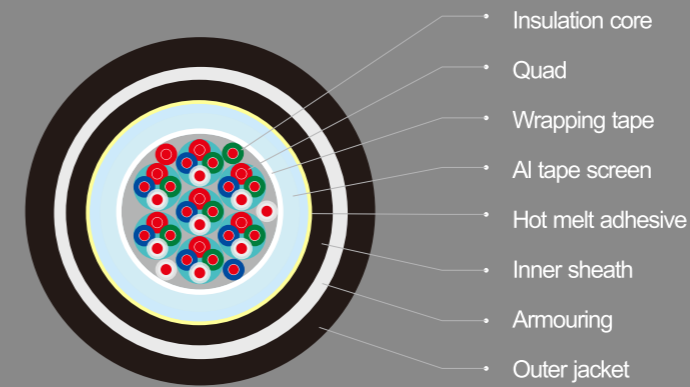


PRODUCT DESCRIPTION

Rated temperature	70°C
Rated voltage	AC 750V or DC 1100V
Reference standard	TB/T3100.1-5-2004
TR annealed soft copper wire	
Foamed skin PE insulation	
Copper tape screen	
Plastic composite tape	
Double steel tape	
PE outer jacket(including WDZC&FBY)	



Railway Digital Signaling Cable with Al Sheath



PRODUCT DESCRIPTION

Rated temperature	70°C
Rated voltage	AC 750V or DC 1100V
Reference standard	TB/T3100.1-4-2004
TR annealed soft copper wire	
Foamed skin PE insulation	
Al tape screen	
PE inner sheath	
Double steel tape	
PE outer jacket(including WDZC&FBY)	



Application

- Mainly used in railway signaling systems connecting equipment and control devices, achieving transmitting system controlling information and power of 1MHz (analog signal), 2MHz / s (digital signal), the rated voltage 750V AC or 1100V DC and below.

Technical Specification

TYPE	Size	Screened Quad	Unscreened Quad	Core	Outer Diameter (mm)	Reference Weight (kg/km)	Size	Screened Quad	Unscreened Quad	Core	Outer Diameter (mm)	Reference Weight (kg/km)
12A	2	1	-	25	488	30A	4	3	2	31	1040	
12B	3	-	-	26	548	30B	7	-	2	33	1166	
14A	2	1	2	25	515	33A	4	4	1	33	1079	
14B	3	-	2	26	571	33B	8	-	1	35	1268	
16A	2	2	-	26	554	37A	4	5	1	34	1153	
16B	4	-	-	28	658	37B	9	-	1	38	1393	
19A	3	1	3	26	629	42A	5	5	2	37	1269	
19B	4	-	3	28	685	42B	10	-	2	42	1557	
21A	3	2	1	29	663	44A	6	5	-	38	1373	
21B	5	-	1	32	795	44B	11	-	-	45	1528	
24A	4	2	-	31	770	48A	6	6	-	38	1409	
24B	6	-	-	33	897	48B	12	-	-	46	1667	
28A	4	3	-	31	829							

Application

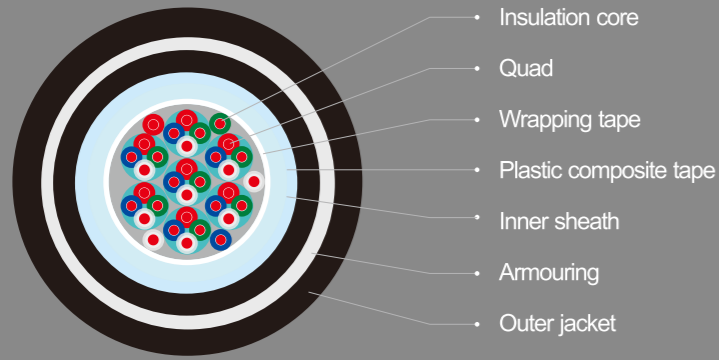
- Mainly used in railway signaling systems connecting equipment and control devices, achieving transmitting system controlling information and power of 1MHz (analog signal), 2MHz / s (digital signal), the rated voltage 750V AC or 1100V DC and below.

Technical Specification

TYPE	Size	Structure			Outer Diameter (mm)	Reference Weight (kg/km)	Size	Structure			Outer Diameter (mm)	Reference Weight (kg/km)
		Quad	Pair	Core				Quad	Pair	Core		
SPTYWL23	4	1	-	-	20	468	28	7	-	-	29	949
	6	-	3	-	22	489	30	7	-	2	29	968
	8	2	-	-	23	570	33	7	-	5	29	1137
	9	2	-	1	23	579	37	7	3	3	33	1121
	12	3	-	-	24	643	42	7	4	6	33	1176
	14	3	-	2	24	661	44	7	4	8	33	1222
	16	4	-	-	26	726	48	12	-	-	35	1318
	19	4	-	3	26	765	52	12	-	4	35	1377
	21	5	-	1	28	811	56	14	-	-	37	1464
	24	6	-	-	29	870	61	14	-	5	37	1543



Railway Digital Signaling Cable with Composite Sheath

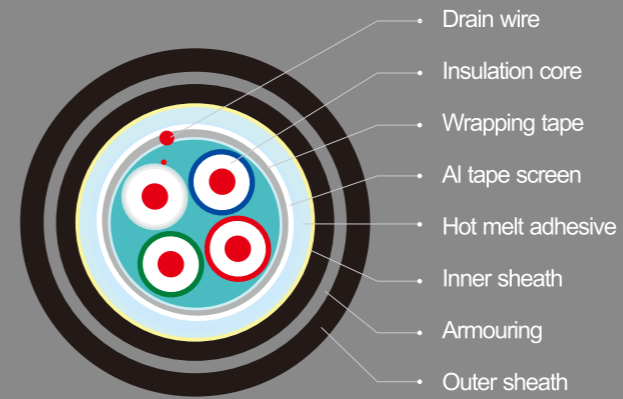


PRODUCT DESCRIPTION

Rated temperature	70°C
Rated voltage	AC 750V or DC 1100V
Reference standard	TB/T3100.1-3-2004
TR annealed soft copper wire	
Foamed skin PE insulation	
Plastic composite tape	
Double steel tape	
PE outer jacket(including WDZC&FBY)	



Railway Transportation Link Cable with Al Tape Screen



PRODUCT DESCRIPTION

Rated temperature	70°C
Rated voltage	AC 750V or DC 1100V
Reference standard	Q/320584 VTX019-2012
TR annealed soft copper wire	
Solid PE insulation	
Drain wire	
Al tape screen	
PE inner sheath	
Double steel tape	
PE outer jacket(including WDZC&FBY)	



Application

- Mainly used in railway signaling systems connecting equipment and control devices, achieving transmitting system controlling information and power of 1MHz (analog signal), 2MHz / s (digital signal), the rated voltage 750V AC or 1100V DC and below.

Technical Specification

TYPE	Size	Structure			Outer Diameter (mm)	Reference Weight (kg/km)	Size	Structure			Outer Diameter (mm)	Reference Weight (kg/km)
		Quad	Pair	Core				Quad	Pair	Core		
SPTYWA23	4	1	-	-	14	208	28	7	-	-	24	605
	6	-	3	-	18	263	30	7	-	2	24	625
	8	2	-	-	20	313	33	7	-	5	24	669
	9	2	-	1	20	322	37	7	3	3	27	726
	12	3	-	-	21	370	42	7	4	6	29	791
	14	3	-	2	21	388	44	7	4	8	29	818
	16	4	-	-	23	427	48	12	-	-	339	896
	19	4	-	3	23	464	52	12	-	4	30	1134
	21	5	-	1	24	503	56	14	-	-	31	1203
	24	6	-	-	25	548	61	14	-	5	31	1261

Application

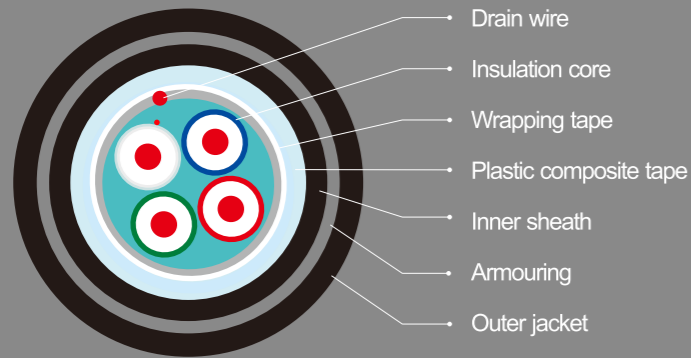
- The cable is mainly used for message data transmission among railway transporting indoor link coding equipment, receiving equipment and trackside IATP Link, PAC sending Link, PAC receiving Link.

Technical Specification

TYPE	Size	Structure			Outer Diameter (mm)	Reference Weight (kg/km)
		Quad	Pair	Core		
GHYL23	4	1×4	-	-	16.4	604
	6	-	3×2	-	18.6	732
	8	-	4×2	-	20.3	795
	9	-	4×2	1	20.3	836
	12	3×4	-	-	21.3	909
	14	3×4	-	2	21.3	972



Railway Transportation Link Cable with Composite Sheath

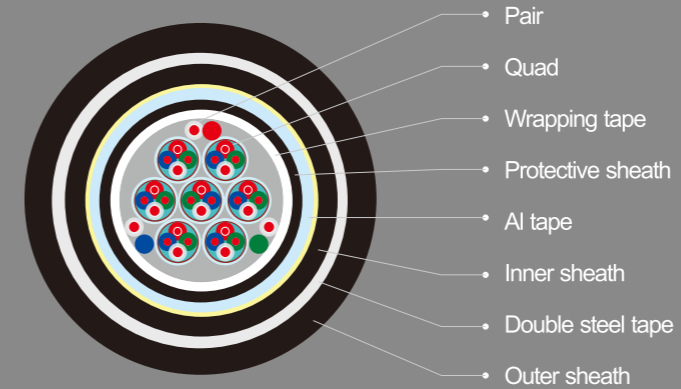


PRODUCT DESCRIPTION

Rated temperature	70°C
Rated voltage	AC 750V or DC 1100V
Reference standard	TB/T3100.1-3-2004
TR annealed soft copper wire	
Solid PE insulation	
Drain wire	
Plastic composite tape	
Double steel tape	
PE outer jacket(including WDZC&FBY)	



Railway Long-distance Symmetrical Communication Cables



PRODUCT DESCRIPTION

TR annealed copper
PE insulation
Al tape screen
Double steel tape armouring
PE(PVC) outer sheath
Reference standard: Q/320584 VTX013—2011



Application

- The cable is mainly used for message data transmission among railway transporting indoor link coding equipment, receiving equipment and trackside IATP Link, PAC sending Link, PAC receiving Link.

Technical Specification

TYPE	Size	Structure			Outer Diameter (mm)	Reference Weight (kg/km)
		Quad	Pair	Core		
GHYA23	4	1×4	-	-	13.4	371
	6	-	3×2	-	15.1	485
	8	-	4×2	-	17.3	543
	9	-	4×2	1	17.4	597
	12	3×4	-	-	18.3	672
	14	3×4	-	2	18.3	732

Application

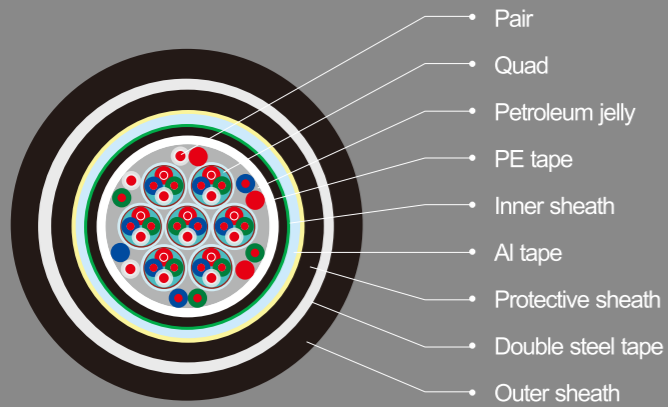
- The product has excellent shielding performance, mainly used in electrified section or other strong electrical interference area laying.

Technical Specification

TYPE	OUTER DIAMETER (mm)	REFERENCE WEIGHT (kg/km)
12	24.3	710.4
16	25.3	781.1
20	26.2	831.9
26	27.0	883.4
28	29.8	1021.1
32	30.2	1060.3
34	30.2	1076.5
40	31.4	1137.7
48	34.7	1386.4
54	35.7	1437.0
62	37.2	1506.3
64	37.7	1572.0
66	37.7	1578.9
76	42	1834.3
80	34.5	1376.0
88	44.5	2016.3
100	46.4	2125.4



Petroleum Jelly-filled Railway Long-distance Symmetrical Communication Cables

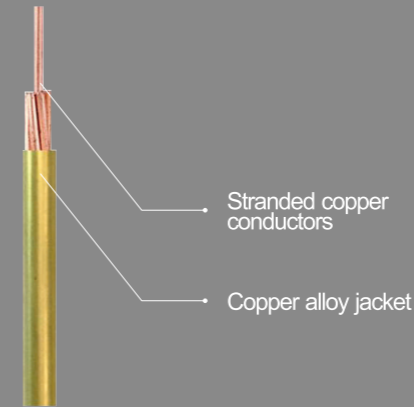


PRODUCT DESCRIPTION

- TR annealed soft copper wire
- PE insulation
- Petroleum jelly filling
- Al tape screen
- Double steel tape armouring
- PE(PVC) outer sheath
- Reference standard: Q/320584 VTX013—2011



Railway Through Ground Cable



PRODUCT DESCRIPTION

- TR annealed stranded conductor
- Copper tape
- Reference standard | TJJ/DW 142—2012



Application

- The product has excellent shielding performance, mainly used in electrified section or other strong electrical interference area laying.

Technical Specification

	TYPE		OUTER DIAMETER (mm)	REFERENCE WEIGHT (kg/km)
	Pair	Quad		
HEYFLT23(22)	4	1×4×0.9	20.0	564.5
	12	3×4×0.9	24.8	782.5
	16	4×4×0.9	25.8	855.2
	20	5×4×0.7	27.4	917.6
	26	4×4×0.9+5×2×0.7(0.6)	27.8	975.8
	28	7×4×0.9	30.0	1155.6
	32	7×4×0.9+4×1×0.7(0.6)	30.7	1160.3
	34	7×4×0.9+3×2×0.7(0.6)	30.7	1179.5
	40	7×4×0.9+6×2×0.7(0.6)	32.4	1291.8
	48	12×4×0.9	35.7	1538.9
	54	12×4×0.9+3×2×0.7(0.6)	36.4	1613.3
	62	14×4×0.9+6×1×0.7(0.6)	38.4	1729.6
	64	14×4×0.9+4×2×0.7(0.6)	38.8	1786.0
	66	14×4×0.9+5×2×0.7(0.6)	38.8	1790.6
	76	19×4×0.9	42.8	2125.5
	80	20×4×0.7	35.9	1623.3
88	22×4×0.9	45.4	2359.9	
100	22×4×0.9+6×2×0.7(0.6)	47.6	2570.5	

Application

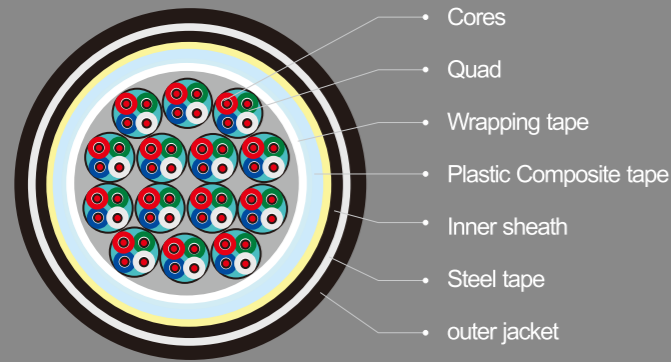
- The product is used as environmental through ground cable in track circuit section of railway signaling systems and laying in the same ditch, and also as Railway Passenger Dedicated Line Integrated Grounding System, electrified railway electric traction power return wire or electrical equipment grounding wire.

Technical Specification

Type	Size	Conductor Cross-sectional Area (mm ²)	Stranded structure	Min. Thickness Of Sheath (mm)	Diameter Of Stranded Conductors	Avg. Thickness of Sheath (mm)	Outer Diameter (mm)	Weight (kg/km)
DH	35	25	1+6	6.3	≥1.0	≥0.95	8.5±0.2	424.6
	70	60	1+6+12	10.1	≥1.0	≥0.95	12.3±0.2	859.4



Railway Signal Cable with Composite Sheath

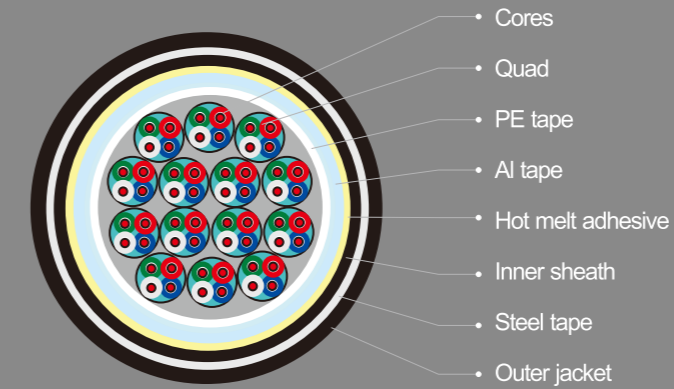


PRODUCT DESCRIPTION

Rated temperature	-40~60°C
Rated voltage	AC 500V or DC 1000V
Reference standard	TB/T 2476-1993
Annealed soft copper wire	
Solid PE insulation	
Plastic composite tape	
Steel tape armouring	
PE Jacket	



Railway Signal Cable with Al Sheath



PRODUCT DESCRIPTION

Rated temperature	-40~60°C
Rated voltage	AC 500V or DC 1000V
Reference standard	TB/T 2476-1993
Annealed soft copper wire	
Solid PE insulation	
Aluminum tape screen	
Steel tape armouring	
PE Jacket	



Application

- Used to transmit railway signals, audio signals or in some automatic device with fixed installation at rated voltage AC 500V or DC 1000V and below.

Technical Specification

TYPE	CONDUCTOR Nom.Dia(mm)	INSULATION Nom.Dia(mm)	JACKET Nom.Dia(mm)	REFERENCE WEIGHT
				(kg/km)
PTYA23	4*1.0	1.0	13.9	211.7
	6*1.0	1.0	15.6	262.4
	8*1.0	1.0	17.6	317.1
	9*1.0	1.0	17.7	329.5
	12*1.0	1.0	18.6	374.1
	14*1.0	1.0	18.6	393.4
	16*1.0	1.0	20.0	438.2
	19*1.0	1.0	20.8	481.5
	21*1.0	1.0	20.8	500.8
	24*1.0	1.0	22.2	555.2
	28*1.0	1.0	23.4	616.1
	30*1.0	1.0	23.8	642.6
	33*1.0	1.0	24.3	680.5
	37*1.0	1.0	25.2	735.2
	42*1.0	1.0	26.6	808.5
	44*1.0	1.0	27.3	840.4
48*1.0	1.0	29.6	907.2	
52*1.0	1.0	30.1	954.9	
56*1.0	1.0	31.3	1211.3	
61*1.0	1.0	31.8	1272.2	

Application

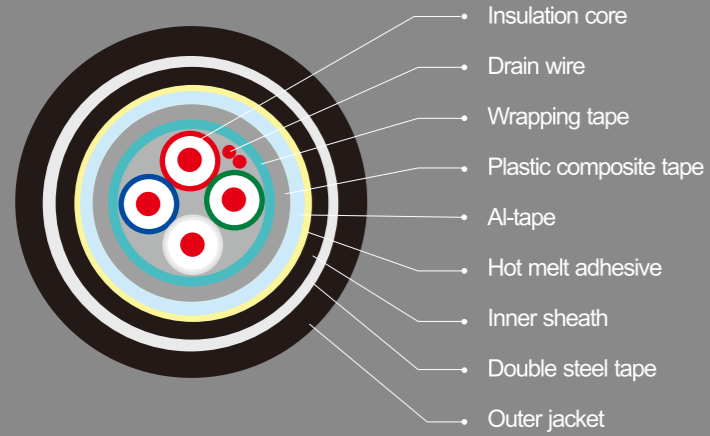
- Used to transmit railway signals, audio signals or in some automatic device with fixed installation at rated voltage AC 500V or DC 1000V and below.

Technical Specification

TYPE	CONDUCTOR Nom.Dia(mm)	INSULATION Nom.Dia(mm)	JACKET Nom.Dia(mm)	REFERENCE WEIGHT
				(kg/km)
PTYL23	4*1.0	1.0	17.9	459.6
	6*1.0	1.0	17.9	481.3
	8*1.0	1.0	19.1	526.9
	9*1.0	1.0	19.1	536.7
	12*1.0	1.0	20.1	601.4
	14*1.0	1.0	20.1	620.7
	16*1.0	1.0	21.9	692.9
	19*1.0	1.0	22.8	757.5
	21*1.0	1.0	22.8	776.8
	24*1.0	1.0	23.8	828.5
	28*1.0	1.0	25.3	914.3
	30*1.0	1.0	25.9	946.6
	33*1.0	1.0	25.9	976.0
	37*1.0	1.0	27.3	1062.4
	42*1.0	1.0	28.5	1151.3
	44*1.0	1.0	29.5	1200.9
48*1.0	1.0	30.9	1289.4	
52*1.0	1.0	31.5	1347.1	
56*1.0	1.0	32.3	1413.2	
61*1.0	1.0	32.9	1475.0	



Data Transmission Cable for Balise with Al Sheath

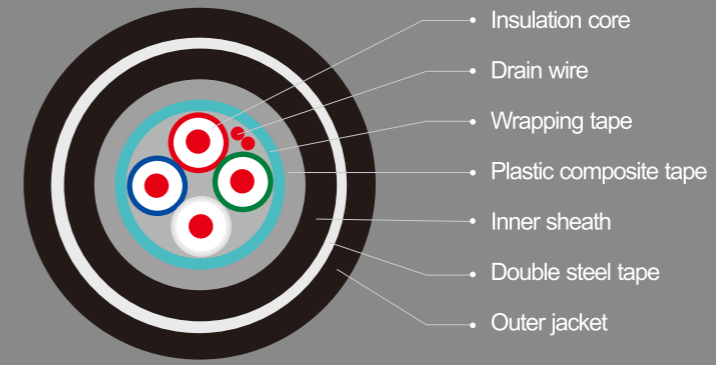


PRODUCT DESCRIPTION

- TR annealed soft copper wire
- PE insulation
- Plastic composite tape
- Al tape screen
- LDPE inner sheath
- Double steel tape armouring
- PE outer jacket
- Reference standard: TB/T 3100.6—2008



Data Transmission Cable for Balise with Composite Sheath



PRODUCT DESCRIPTION

- TR annealed soft copper wire
- PE insulation
- Plastic composite tape
- LDPE inner sheath
- Double steel tape armouring
- PE outer jacket
- Reference standard: TB/T 3100.6—2008



Application

- Mainly used for connecting the transponder and LEU ground electronic unit, transmit data packets and power Available in electrified and non-electrified different sections.

Technical Specification

TYPE		OUTER DIAMETER (mm)	REFERENCE WEIGHT (kg/km)
	1×4×φ1.53	24.7±0.4	705.0

Application

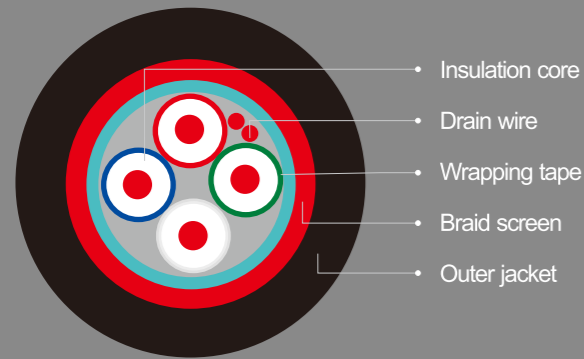
- Mainly used for connecting the transponder and LEU ground electronic unit, transmit data packets and power Available in electrified and non-electrified different sections.

Technical Specification

TYPE		OUTER DIAMETER (mm)	REFERENCE WEIGHT (kg/km)
	1×4×φ1.53	19.1±0.4	351.2



Data Transmission Cable for Balise with Braid Shield



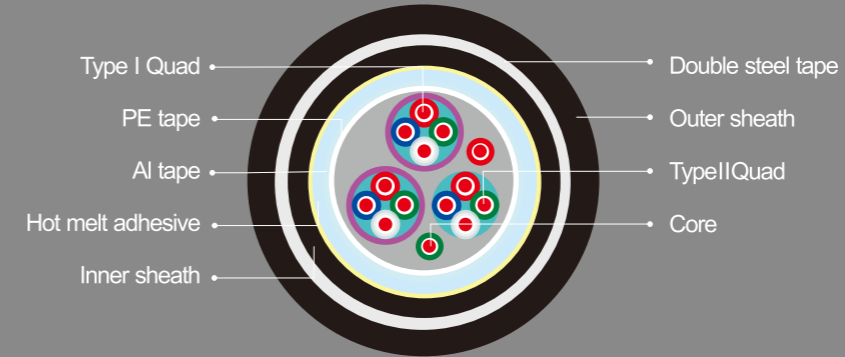
- Insulation core
- Drain wire
- Wrapping tape
- Braid screen
- Outer jacket

PRODUCT DESCRIPTION

- Annealed soft copper wire
- PE insulation
- Concentric stranded
- Braid screen
- PE outer jacket
- Reference standard: TB/T 3100.6—2008



Ailway Cable



- Type I Quad
- PE tape
- Al tape
- Hot melt adhesive
- Inner sheath
- Double steel tape
- Outer sheath
- Type II Quad
- Core

PRODUCT DESCRIPTION

- TR annealed soft copper wire
- PE insulation
- Al tape screen
- Double steel tape armouring
- PE(PVC) outer sheath
- Reference standard: Q/320584 VTX014—2011



Application

- Mainly used for connecting the transponder and LEU ground electronic unit, transmit data packets and power Available in electrified and non-electrified different sections.

Technical Specification

TYPE		OUTER DIAMETER (mm)	REFERENCE WEIGHT (kg/km)
LEU+BSYYP	1×2×φ1.14	11.7±0.4	106.8
	1×4×φ1.14	11.7±0.4	111.4

Application

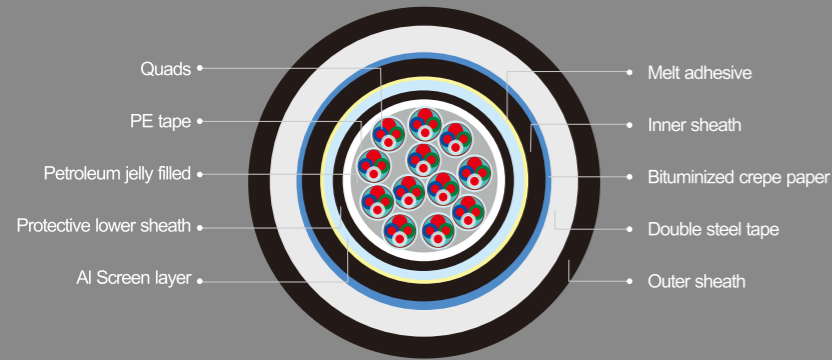
- Mainly used in electric railway or strong electrical interference section Rated voltage AC 500V or DC 1000V following transport railway signals, audio signals or automatic signaling device control circuit, the cable can be used to UM71 automatic block section.

Technical Specification

TYPE			OUTER DIAMETER (mm)	REFERENCE WEIGHT (kg/km)
PTYL23 (22) -1	4	1×4×1.13	25	537.8
	12A	2×4×1.13+1×4×1.0	28	747.4
	12B	3×4×1.13	28	777.7
	14A	2×4×1.13+1×4×1.0+2×1×1.0	28	779.6
	14B	3×4×1.13+2×1×1.0	29	820.3
	16A	2×4×1.13+2×4×1.0	31	834.9
	16B	3×4×1.13+1×4×1.0	31	877.0
	19A	2×4×1.13+2×4×1.0+3×1×1.0	31	888.6
	19B	3×4×1.13+1×4×1.0+3×1×1.0	32	918.9
	21A	2×4×1.13+3×4×1.0+1×1×1.0	32	920.8
	21B	3×4×1.13+2×4×1.0+1×1×1.0	32	953.5
	24A	2×4×1.13+4×4×1.0	32	965.6
	24B	3×4×1.13+3×4×1.0	33	1010.1
	28A	2×4×1.13+5×4×1.0	34	1054.9
	28B	3×4×1.13+4×4×1.0	34	1090.3
	30A	2×4×1.13+5×4×1.0+2×1×1.0	34	1092.2
	30B	3×4×1.13+4×4×1.0+2×1×1.0	34	1134.3
	33A	2×4×1.13+6×4×1.0+1×1×1.0	35	1146.0
	33B	3×4×1.13+5×4×1.0+1×1×1.0	35	1176.4
	37A	2×4×1.13+5×4×1.0+3×2×1.0+3×1×1.0	37	1206.5
	37B	3×4×1.13+4×4×1.0+3×2×1.0+3×1×1.0	37	1237.1
	42A	2×4×1.13+8×4×1.0+2×1×1.0	37	1292.9
	42B	3×4×1.13+7×4×1.0+2×1×1.0	37	1323.5
	44A	2×4×1.13+8×4×1.0+2×2×1.0	37	1325.4
44B	3×4×1.13+7×4×1.0+2×2×1.0	37	1356.0	



High Frequency Telecommunication Cable for Railways (TCDD)



PRODUCT DESCRIPTION

Rated temperature	-40~60°C
Rated voltage	AC 500V or DC 1000V
Reference standard	Q/320584 VTX016-2011
Annealed soft copper wire	
Solid PE insulation	
Al tape screen	
Steel tape armouring	
PE Jacket (Flame retardant)	



Application

- The high frequency telecommunication cables are used in long-distance connections of audio-frequency, data transmission facilities and to be laid down between stations all along the railway route where the 25 kV, 50 Hz electrical train facilities are being situated.

Technical Specification

TYPE	CONDUCTOR	JACKET		REFERENCE WEIGHT (kg/km)
		Nom.Dia(mm)	Nom.Dia(mm)	
AJ-02YSF2YL2YB2Y	48	1.2	44.7	3030

KEY PROJECT CASES



- 1 Water cube
- 2 Bird's nest
- 3 Construction of base stations for all major operators
- 4 Hami truck south ring line
- 5 High speed railway (Beijing-Shijiazhuang, Shijiazhuang-Wuhan)

