

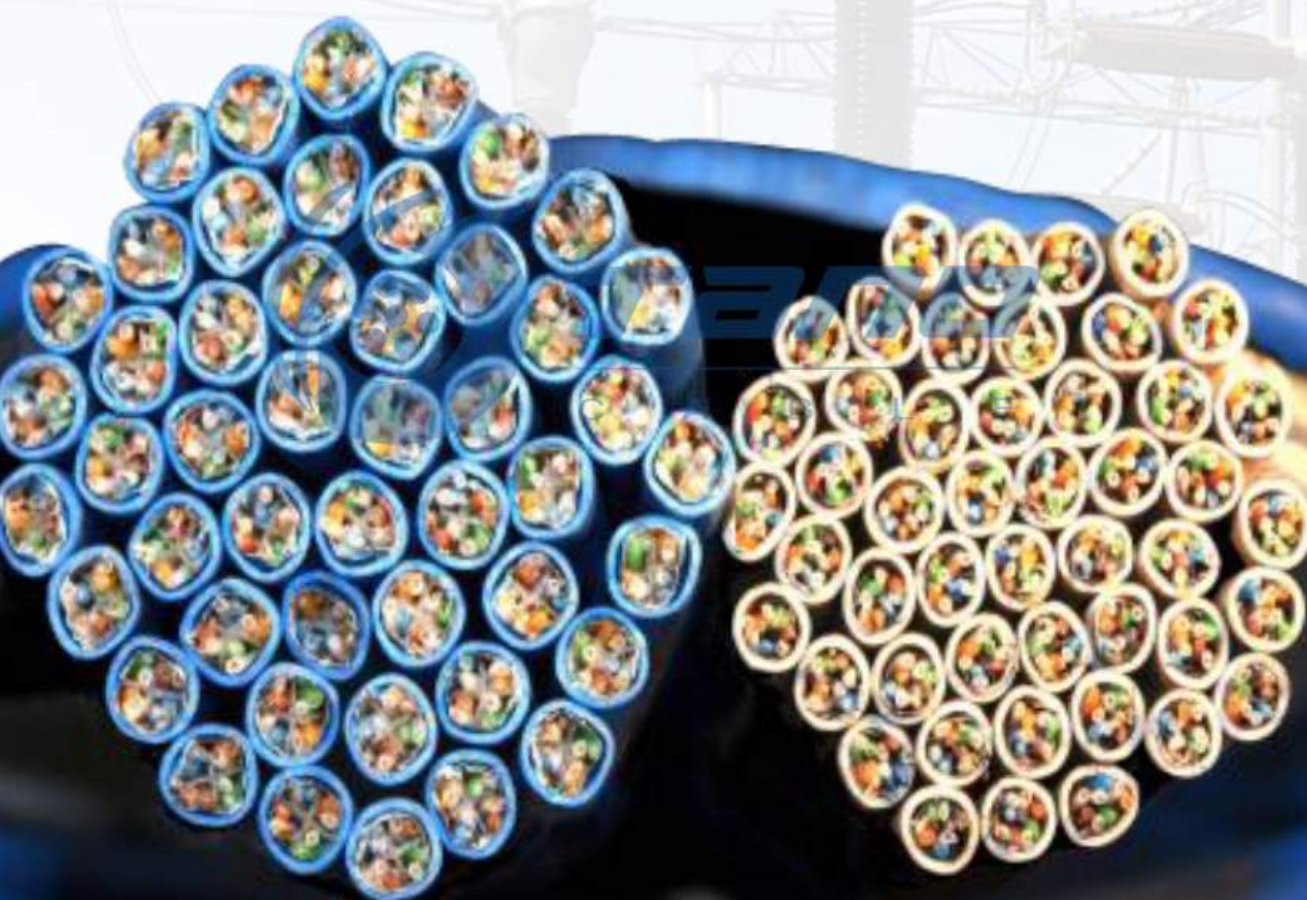


# 河南泰诺电缆有限公司

HENAN TANO CABLE CO.,LTD.



# INSTRUMENT CABLE





Henan Tano Cable Co., Ltd.( Tano Cable for short), is a leading and professional manufacturer of cable and wire with more than 20 years' history and manufacturing experience, located in Zhengzhou city which is the capital of Henan province, China.

Tano Cable aims at providing integral power solution for international customers. We are working together as one company to provide products and technologies for building, maintaining and advancing the power and information infrastructures that connect the world. We mainly have the following products with strong competitiveness: All Aluminum Conductors (AAC), All Aluminum Alloy Conductors (AAAC), Aluminum Conductors Steel Reinforcement (ACSR) , Aerial Bundled Cables (ABC), building wire, welding cable, control cable, instrument cable, rubber cable, PVC insulated power cable, XLPE insulated power cable up to 500KV, customer-tailored cable and cable accessories, conforming to many different Country or international standard, such as IEC, HAR, BS, DIN, ICEA, ASTM, SABS, AS/NZS, JIS and so on.

Tano Cable pays great importance on the quality. We have strong teams and equipments for both production and inspection. Moreover, we have been awarded many certificates of ISO, CE, SONCAP, others from China and abroad. We keep improving our quality management system to meet the client's final satisfaction.

Tano Cable has provided services to the global clients who working in all areas of the energy, construction, industrial, specialty and communications market, and obtained the client's trust and compliment.

Welcome your any inquiry! Welcome your any visit! Welcome your any contact! We will take our biggest sincerity to be your long-term friend and partner.





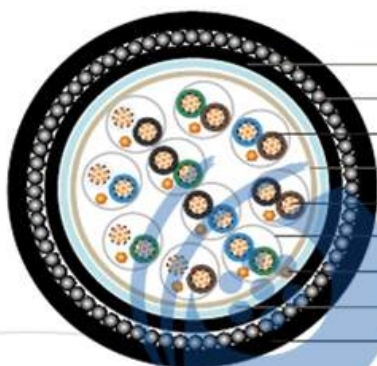


# Instrument Cable Part 1 Type 2 MG-XLPE-IS-OS-SWA-LSOH to BS5308 Standard

## APPLICATION

The armored fire resistant versions (Part 1Type 2) are typically used in chemical and process Industries where there is danger of fire. The galvanized steel wire armor provides excellent protection.

## CONSTRUCTION



- LSOH inner sheath
- Galvanized steel wire armour
- Mica glass tape + XLPE insulation
- PETP transparent binder tape
- Annealed copper conductor
- Individual Aluminium/polyester tape screen
- Tinned copper drain wire
- Overall Aluminium/polyester tape screen
- LSOH outer sheath

C A B L E

Conductor	Annealed or tinned copper, Class 2
Insulation	Mica glass tape, XLPE (Cross Linked Polyethylene), or PE (optional)
Pairing	Two insulated conductors uniformly twisted together with a lay not exceeding 100mm
Color code	Refer to technical information
Individual screen	Aluminum/polyester tape is applied over each pair metallic side down in contact with tinned copper drain wire, 0.5mm <sup>2</sup>
Binder tape	PETP transparent tape
Collective screen	Aluminum/polyester tape is applied over the laid up pairs metallic side down in contact with tinned copper drain wire, 0.5mm <sup>2</sup>
Inner Sheath	LSOH(Low Smoke Zero Halogen) sheath
Amour	Galvanized steel wire armor
Outer sheath	LSOH(Low Smoke Zero Halogen) sheath
	Flame retardant to IEC60332-3-22
	Fire resistant to IEC60331
	Halogen free to IEC60754-1
	Low smoke emission to IEC61034-1-2
Sheath color	Black or blue

## MECHANICAL AND ELECTRICAL PROPERTIES



**Operating temperature:** -20°C up to + 90°C (fixed installation)

0°C to +50°C (during operation)

**Minimum bending radius:** 6 x OD

Conductor Area Size	mm <sup>2</sup>	0.5	0.75	1	1.5
Conductor Stranding	No. x mm	7 x 0.3	7 x 0.37	7 x 0.44	7 x 0.53
Conductor resistance max	ohm/km	36	24.5	18.1	12.1
Insulation resistance min	Gohm/km	5	5	5	5
Capacitance unbalance at 1kHz(pair to pair screen)	pF/250m	250			
Max. Mutual Capacitance @ 1kHz for Non OS or OS cables (except one-pair and two- pairs)	pF/m	115	115	115	115
Max. Mutual Capacitance @1 kHz IS/OS cables (include 1 pair and 2 pair)	pF/m	75	75	75	75
Max. L/R Ratio for adjacent cores(Inductance/Resistance)	μH/ohm	25	25	25	40
Test voltage	Core to core	V	1000	1000	1000
	Core to screen	V	1000	1000	1000
Rated voltage max	V	300/500	300/500	300/500	300/500

## TECHNICAL PARAMETER

No. of Pairs	No. and Dia. of Wires	Nominal Conductor Cross-Sectional Area	Nominal Thickness of Insulation	Nominal Thickness of bedding	Nominal Dia. over Bedding	Nominal Thickness of Armour	Nominal Thickness of Sheath	Nominal Dia. of Cable	Approx. Weight
	No./mm	mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	kg/km
5	7/0.37	0.75	0.6	0.8	15	0.9	1.4	20.3	870
10	7/0.37	0.75	0.6	0.8	19.8	0.9	1.4	25.9	1480
5	7/0.44	1	0.6	0.8	14.8	0.9	1.4	20	890

## Instrument Cable Part 1 Type 2 XLPE-OS-SWA-LSOH / RE-2X(St)H SWAH to BS5308 Standard

### APPLICATION

The armored LSOH versions (Part 1 Type 2) are generally used when the risk of mechanical damage is increased. The galvanized steel wire armor provides excellent protection. Generally used within industrial process manufacturing plants for communication, data and voice transmission signals and services, also



# 河南泰诺电缆有限公司

HENAN TANO CABLE CO.,LTD.

Website: <http://www.tanocable.com/>

Tel.: 0086-371-60306197

Fax: 0086-371-60306197

Email: [info@tanocable.com](mailto:info@tanocable.com)

Address: Zhengzhou City, Henan  
Province, China.

Zip: 450000