



**SAFETY-CRITICAL FIRE RESISTANT INSTRUMENTATION CABLE**

IEC 60331 / EN 50288-7

15 orderable sizes

STANDARD <b>IEC 60331 / EN 50288-7</b>	VOLTAGE CLASS <b>300/500 V</b>	CONDUCTOR <b>0.75 mm<sup>2</sup>, 1.0 mm<sup>2</sup>, 1.5 mm<sup>2</sup></b>
INSULATION / JACKET <b>Orange or blue LSZH outer sheath</b>		

**Construction**

- 1 ■ **Conductor (per core)** – Plain or tinned copper conductor · 7 × Ø0.43 mm · IEC 60228 cl.2
- 2 ■ **Pair insulation** – XLPE, EPR or fire resistant insulation
- 3 ■ **Individual screen (IS)** – Al/polyester foil + tinned-copper drain
- 4 ■ **Filler** – Bedding / filler
- 5 ■ **Overall screen (OS)** – Al/polyester foil + drain
- 6 ■ **Bedding** – PVC bedding
- 7 ■ **Armour** – Galvanised steel wire armour (SWA)
- 8 ■ **Sheath** – Orange or blue LSZH outer sheath

**Size selection — all available cross-sections**

Cable reference	Service package	Standard	Cable design	Voltage / signal class	Pair / core design	Conductor / fibre	Screen / protection	Fire and safety rating	Oil, mud and environment	Sheath	Electrical / optical reference	OD guide
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 1 pair 0.75 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	1 pair	0.75 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	24.5 Ω/km max	17.3 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 1 pair 1.0 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	1 pair	1.0 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	18.1 Ω/km max	17.5 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 1 pair 1.5 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	1 pair	1.5 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	12.1 Ω/km max	17.9 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 2 pair 0.75 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	2 pair	0.75 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	24.5 Ω/km max	18.1 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 2 pair 1.0 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	2 pair	1.0 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	18.1 Ω/km max	18.3 mm

Cable reference	Service package	Standard	Cable design	Voltage / signal class	Pair / core design	Conductor / fibre	Screen / protection	Fire and safety rating	Oil, mud and environment	Sheath	Electrical / optical reference	OD guide
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 2 pair 1.5 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	2 pair	1.5 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	12.1 Ω/km max	18.7 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 4 pair 0.75 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	4 pair	0.75 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	24.5 Ω/km max	19.2 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 4 pair 1.0 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	4 pair	1.0 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	18.1 Ω/km max	19.4 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 4 pair 1.5 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	4 pair	1.5 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	12.1 Ω/km max	19.8 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 8 pair 0.75 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	8 pair	0.75 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	24.5 Ω/km max	20.8 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 8 pair 1.0 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	8 pair	1.0 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	18.1 Ω/km max	21.0 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 8 pair 1.5 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	8 pair	1.5 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	12.1 Ω/km max	21.4 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 12 pair 0.75 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	12 pair	0.75 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	24.5 Ω/km max	22.0 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 12 pair 1.0 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	12 pair	1.0 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	18.1 Ω/km max	22.2 mm
Fire Resistant Instrumentation Mica LSZH SWA 300/500 V 12 pair 1.5 mm <sup>2</sup> Orange or blue LSZH outer sheath	Safety-critical instrumentation package	IEC 60331 / EN 50288-7	Mica fire barrier screened instrumentation cable	300/500 V	12 pair	1.5 mm <sup>2</sup>	Individual or overall screen with steel wire armour	Circuit integrity fire resistant, LSZH and low smoke	Emergency shutdown, fire and gas, offshore safety circuits	Orange or blue LSZH outer sheath	12.1 Ω/km max	22.6 mm