



REFINERY CONTROL CABLE

IEC 60502-1 / BS 5467

15 orderable sizes

STANDARD IEC 60502-1 / BS 5467	VOLTAGE CLASS 0.6/1 kV	CONDUCTOR 1.5 mm², 2.5 mm², 4 mm²
INSULATION / JACKET Black LSZH outer sheath		

Construction

- 1 **Conductor (per core)** – Plain or tinned copper conductor · 50 × Ø0.25 mm · IEC 60228 cl.5
- 2 **Core insulation** – XLPE, EPR or fire resistant insulation
- 3 **Filler** – PP filler
- 4 **Bedding** – PVC bedding
- 5 **Armour** – Galvanised steel wire armour (SWA)
- 6 **Sheath** – Black 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
Refinery LSZH Control SWA 0.6/1 kV 7 core 1.5 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	7 core	1.5 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	12.1 Ω/km max	22.5 mm
Refinery LSZH Control SWA 0.6/1 kV 7 core 2.5 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	7 core	2.5 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	7.41 Ω/km max	23.1 mm
Refinery LSZH Control SWA 0.6/1 kV 7 core 4 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	7 core	4 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	4.61 Ω/km max	23.8 mm
Refinery LSZH Control SWA 0.6/1 kV 12 core 1.5 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	12 core	1.5 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	12.1 Ω/km max	23.6 mm
Refinery LSZH Control SWA 0.6/1 kV 12 core 2.5 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	12 core	2.5 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	7.41 Ω/km max	24.2 mm
Refinery LSZH Control SWA 0.6/1 kV 12 core 4 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	12 core	4 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	4.61 Ω/km max	24.9 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
Refinery LSZH Control SWA 0.6/1 kV 19 core 1.5 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	19 core	1.5 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	12.1 Ω/km max	24.8 mm
Refinery LSZH Control SWA 0.6/1 kV 19 core 2.5 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	19 core	2.5 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	7.41 Ω/km max	25.4 mm
Refinery LSZH Control SWA 0.6/1 kV 19 core 4 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	19 core	4 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	4.61 Ω/km max	26.1 mm
Refinery LSZH Control SWA 0.6/1 kV 27 core 1.5 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	27 core	1.5 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	12.1 Ω/km max	26.0 mm
Refinery LSZH Control SWA 0.6/1 kV 27 core 2.5 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	27 core	2.5 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	7.41 Ω/km max	26.5 mm
Refinery LSZH Control SWA 0.6/1 kV 27 core 4 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	27 core	4 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	4.61 Ω/km max	27.2 mm
Refinery LSZH Control SWA 0.6/1 kV 37 core 1.5 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	37 core	1.5 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	12.1 Ω/km max	27.2 mm
Refinery LSZH Control SWA 0.6/1 kV 37 core 2.5 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	37 core	2.5 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	7.41 Ω/km max	27.7 mm
Refinery LSZH Control SWA 0.6/1 kV 37 core 4 mm ² Black LSZH outer sheath	Onshore refinery control and auxiliary package	IEC 60502-1 / BS 5467	Multicore control cable	0.6/1 kV	37 core	4 mm ²	Steel wire armour	LSZH, low smoke and flame retardant	Refinery, petrochemical plant and tank farm cable tray routes	Black LSZH outer sheath	4.61 Ω/km max	28.4 mm