SY LSZH NR black armoured control flex, number coded

Flexible cables for connecting, measuring, checking and control applications, the armour provides protection against mechanical damage. Suitable for use in internal, external or ducted applications.

LSZH cables ensure increased safety in the case of fire due to the virtual elimination of toxic fumes if burnt. Pronounced advantages when compared to PVC cabling: low fire load, low smoke emission, reduced fire propagation.

Construction

fine stranded plain copper conductors

halogen free core insulation

cores twisted together, LSZH bedding

galvanised steel wire braid (GSWB) screen

black low smoke zero halogen (LSZH) sheath

Technical	
conductor stranding:	according to class 5 (VDE 0295 / IEC 60228 / BS EN 60228:2005)
bend radius:	10 x overall diameter (O/D) fixed, 20 x O/D flexing
voltage rating:	300/500V operating, 2000V test
current rating:	see YY, SY & CY derivative chart
temperature range:	-5°C to +70°C flexible, -30°C to +70°C static
standards:	construction generally to BS6500 & VDE0250
	flame retardant according to IEC/EN 60332-1-2
	smoke emission according to IEC/EN 61034-2
	halogen acid gas emission according to IEC 60754-1, EN 50267-2-1
core identification:	numbered black cores with earth (included in core count)

Number of Cores	Conductor Area (mm²)	Overall Diameter (mm)	Overall Weight (kg/km)	Number of Cores	Conductor Area (mm²)	Overall Diameter (mm)	Overall Weight (kg/km)
3	1.5	9.2	140	3	2.5	10.6	220
4	1.5	9.8	180	4	2.5	11.2	260

LSZH Properties: fairly tough & flexible material resistant to a wide range of oils & chemicals. Guarantees max. 0.5% HCL emissions if burnt. Also known as LSOH & LSHF (low smoke zero halogen/halogen free).

PB/XK/KC