

BO INSTRU RE-2XCHSWAH WTR49 -40°C to +90°C

XLPE/TCWB/LSZH/SWA/LSZH

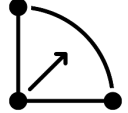
Wide temperature range -40° to +90°C



Image for illustration only

Conductor:	Plain bare copper stranded conductors acc. to IEC 60228 class 2						
Insulation:	XLPE (2X) compound - TS EN 50290-2-29						
Colour Code:	Pairs: Black - White (each numbered) Triples: Black -White-Red (each numbered)						
Wrapping:	Cores twisted to form a pair (or triples)						
Laying:	Pairs/Triples stranded in layers, PET tape wrapped						
Screen:	Tinned copper wire braiding (Coverage min.84%)						
Inner sheath:	HFFR (LSZH) Compound - TS EN 50290-2-27						
Armour:	SWA= Galvanized steel round wire						
Outer Sheath:	HFFR (LSZH) Compound UV (UL1581)/Oil Res (IRM902 70°C for 4h) - TS EN 50290-2-27 Black (xx=BK), Blue (xx=BL) or on request						
Cable Printing:	- standard						
Technical Data & Standard References	- Flame retardance: IEC 60332-1, VDE 0482-332-1-2, BS EN 60332-1-2, IEC 60332-3-24 CAT C Amount of halogen acid gas IEC 60754-1, EN 50267-1 Degree of acidity of gases IEC 60754-2, EN 50267-2 Smoke density test IEC 61034-1, VDE 0482-1034-1/2						
Cross section (mm2)		0,50	0,75	1,00	1,3	1,5	2,50
Conductor IEC 60228 class 2		7x0,30	7x0,37	7x0,43	7x0,50	7x0,52	7x0,67
Conductor resistance max.(Ω/km)		36,0	24,5	18,1	14,5	12,1	7,41
Insulation thickness min.(mm)		0,44	0,44	0,44	0,44	0,44	0,53
Insulation thickness nom.(mm)		0,60	0,60	0,60	0,60	0,60	0,70
L/R Ratio (μH/Ω)		25,0	25,0	25,0	40,0	40,0	60,00
Electrical & Mechanical Data	Operating temperature -40 +90°C (laying temperature up to 0°C) max. Conductor temperature +90 °C Rated Voltage 500 V Test voltage 2,0 kV AC 1 min. Insulation resistance min. 1000 MΩ.km Capacitance (nF/km) max. 150 nF/km Bending Radius 12 x D						

TECHNICAL DATA AND PRODUCT FEATURES

	TEMPERATURE RANGE -40°C +90°C (laying temperature up to 0°C)
	WORKING VOLTAGE 500 V
	TEST VOLTAGE 2000 V
	INSULATION RESISTANCE min. 1000 MΩ. km
	BENDING RADIUS 12 X D

Application: In Instrumentation and control engineering analog and digital signal transmission, in chemistry industry, Petrochemical industry, Power plants, Indoors and outdoors, dry, damp and wet environments, Gas Stations... Suitable for outdoor and underground use.

P/N	Number of cores x cross section	Copper weight (kg/km)	Braid wire diameter (mm)	Inner sheath (mm)	Armour wire diameter (mm)	Overall diameter (mm)	Approx. weight (kg/km)
45399001xx	1x2x1,0	415	0,20	8,00	0,90	12,40	280
45399009xx	1x6x1,0	95	0,20	11,00	0,90	16,50	430
45399021xx	1x2x1,5	60	0,20	8,50	0,90	13,00	300
45399022xx	2x2x1,5	113	0,20	13,00	0,90	17,00	480
45399044xx	8x2x1,5	343	0,20	18,80	0,90	25,00	1100
45399011xx	2x3x1,0	120	0,20	14,00	0,90	18,40	420
45399031xx	1x3x1,5	80	0,20	8,800	0,90	13,40	340
45399032xx	2x3x1,5	160	0,20	14,80	0,90	19,00	610
45399041xx	1x2x2,5	90	0,20	9,60	0,90	14,20	350