



RE-2X(St)HSWAH 500 V

Instrumentation cables have a wide range of usage in process control and dataprocesses, in analog and digital signal transmission. Factories, refineries, petrochemicalplants, power plants, natural gas filling plants etc. make up the general areas that These cables are used.

Construction

Conductor	Stranded annealed copper wires (EN 60228, Class 2)
Insulation	XLPE
Core Colors	Black-White for 1x2x1.5 mm ² Black-White-Red for 1x3x1.5 mm ²
Lay-up	Cores are stranded in layers
Separator	Polyester tape
Overall Screen	ALPES tape with 7x0,3 mm stranded tinned copper
Inner Sheath	Halogen free flame retardant compound (HFFR/LSZH/LSOH/FRNC),
Armour	Round galvanized steel wires
Sheath	Halogen free flame retardant compound (HFFR/LSZH/LSOH/FRNC), (EN 50290-2-27, EN 50363-0 type M1, EN 50363-7 type T17, VDE 0207 Part 24 type HM4, BS 7655 LTS1, LTS2, LTS3 & LTS4, IEC 60092-359 type SHF1)
Reference Standard	Black RAL9005 UV resistant EN50288-7

Technical and Electrical Properties (20°C)

Operating Voltage	300/500 V
Test Voltage	Core/Core 2 kV Core/Screen 1 kV
Capacitance Unbalance (max.) (800Hz)	500/500 nF/km
Insulation Resistance (min.)	5000 MΩ x km
Operating Temperature	-40°C ... +90°C
Flame Tests	IEC 60332-1,-2, IEC 60332-3-22 (CAT A)
Smoke Density	IEC 61034-1,-2
Corrosive Gases Measurement	IEC 60754-2
Oil Resistance	IEC 60811 , ASTM No 2 oil 70 °C 4 hours
Hydrocarbon Resistant	NF M 87-202
Oxygen Index	34%
Min. Bending Radius (fixed)	12 x Cable diameter

Dimensions		Conductor Resistance	Cable Diameter
1	x 2 x 1,5 mm ²	EUT-E3C-01P1.5-Z 12,1 Ω/km	11,1
1	x 3 x 1,5 mm ²	EUT-E3C-01T1.5-Z 12,1 Ω/km	11,5