

RE-2X(St)H EN 50288-7 300 V cl.2 1x2x0,75 mm²

According to EN 50288-7

300 V

Construction

Conductor		Stranded bare copper wire, according to EN 60228 Class 2, 7/0,37 mm
Insulation	2X	XLPE
Core identifications		White, Black
Stranding		Cores twisted with max. lay length of 100 mm, PET applied on the strand
Overall screen	(St)	AL-PES tape over stranded tinned copper drain wire 0,50 mm ² (7x0.30 mm)
Outer sheath	H	HFFR compound
Sheath color		RAL 9005 Black
Marking		kabeltec RE-2X(St)H 1x2x0,75 mm ² EN 50288-7 300V cl.2 CE RoHS 71563 Month/Year Lot Nom

Electrical properties (at 20 ° C, unless otherwise stated)

Cable operating voltage	300 V
Mutual capacitance	max. 150 nF/km
L/R ratio	max. 25 µH/ Ω up to 1,0 mm ² , max. 40 µH/ Ω for 1,50 mm ² , max. 60 µH/ Ω for 2,50 mm ²
Test voltage core/core	1000 Vac or 2000 Vdc at 1 min.

Mechanical and thermal properties

Conductor temperature	Max 90 °C
Short-Circuit temperature	Max 250 °C
Working temperature	Fixed -30 °C to +70 °C Flexible -5 °C to +50 °C

Min. bending radius 10 x cable diameter

Other properties

Flame retardant	IEC 60332-1-2
Acidic (Corrosive) gas test	IEC 60754-1/2
Smoke density	IEC 61034
Sunlight resistance	Yes
CE, RoHS compliant	Yes

Technical and dimension table

No of cores and cross section	Outer dimension	Conductor resistance at 20 °C		Insulation resistance	Cable weight	Cu Factor
		Nom.	Max.			
N x 2 x mm ²	(mm)	(Ω/km)	(Ω/km)	(MΩ x km)	(kg/km)	(kg/km)
1 x 2 x 0,75	6,10	24,50		1000	50	19,20

*The values can have small deviations