

RE-2X(St)H cl.2 nx2x0,75 mm² (CPR.B2ca)

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 (numbered from 1 to n)
Pairing		Cores twisted with max. lay length of 100 mm like (1-1, 2-2, ..., (n-n)
Stranding		Twists stranded together, PET applied
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 or RAL 5015 Blue
Marking		kabeltec RE-2X(St)H nx2x0,75 mm ² EN 50288-7 300V cl.2 B2ca CE RoHS 71563 Month/Year Lot Nom

where n represents number of cable core

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

CPR classification B2ca

Technical and dimension table

No of cores and cross section	Outer dimension	Conductor resistance at 20 °C		Insulation resistance	Cable weight	Cu Factor
	Nom. (mm)	Max. (Ω/km)	Nom. (MΩ x km)	Nom. (kg/km)	Nom. (kg/km)	
2 x 2 x 0,75	8,80	24,50	1000	90	33,60	
3 x 2 x 0,75	9,30	24,50	1000	105	48,0	
4 x 2 x 0,75	10,10	24,50	1000	130	62,40	
5 x 2 x 0,75	11,20	24,50	1000	160	76,80	
7 x 2 x 0,75	12,10	24,50	1000	200	105,60	
8 x 2 x 0,75	15,30	24,50	1000	260	120,0	
10 x 2 x 0,75	15,40	24,50	1000	280	148,80	
12 x 2 x 0,75	15,90	24,50	1000	320	177,60	
15 x 2 x 0,75	17,80	24,50	1000	390	220,80	
16 x 2 x 0,75	17,80	24,50	1000	425	235,20	
19 x 2 x 0,75	18,80	24,50	1000	480	278,40	
20 x 2 x 0,75	20,0	24,50	1000	510	292,80	
24 x 2 x 0,75	22,30	24,50	1000	610	350,40	
32 x 2 x 0,75	24,70	24,50	1000	790	465,60	

*The values can have small deviations