

EN 50288-7 RE-2X(St)Yv FI PIMF 300V PAIR

Cable Standard	Instrument Cable EN 50288-7
Voltage	300V
Description	Copper, Single & Multi Pair, XLPE- Insulation, Individual & Collective Screen, PVC Sheath
Cable type	RE-2X(St)Yv FI PIMF

Electrical data a 20°C

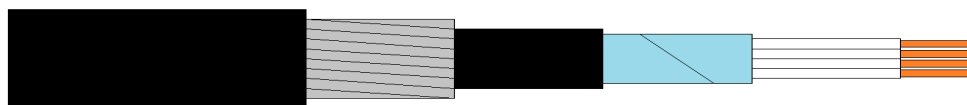
Conductor size	Nom	mm ²	0,5	0,75	1	1,3	1,5
Conductor resistance	Max	Ω/km					
	Stranded / Class 2		36	24,5	18,1	13,92	12,1
and additional 2% of the maximum resistance has been allowed for cable of multipair construction							
Insulation resistance	Min.	MΩxkm					
	Individual conductor		1000				
Individual screen			1				
Mutual capacitance 1kHz	Max.	nF/km					
	All cables		150				
L/R Ratio	Max.	μH/Ω	25		40		
Test voltage		V					
	Umscore: core		1000				
	Umscore: screen		1000				

Properties for cable

Code Colour	Black & White numbered pairs
Fire Resistant	N.A.
Flame Retardant (optional)	IEC 60332-1 / IEC 60332-3-24 / IEC 60332-3-22
Low Smoke Emission	N.A.
Other Properties	Yv reinforced outer sheath acc. to VDE 0816, series 1
Minimum Bending Radius	10 X O.D.

Properties for outer sheath

Limiting Oxygen Index	LOI > 30%
Amount of halogen acid gas	HCl < 15%
Oil Resistance	ANSI/ICEA S-73-532 (4h, 70°C)
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C

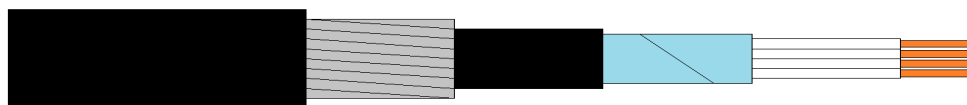


Nº Pairs	Cores	RT Insulation	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	0.5mm ² /7	0,35	-	-	-	1,8	9,88	124	RE88DC-2P05-2223
3	0.5mm ² /7	0,35	-	-	-	1,8	10,42	148	RE88DC-3P05-2223
4	0.5mm ² /7	0,35	-	-	-	1,8	11,22	176	RE88DC-4P05-2223
5	0.5mm ² /7	0,35	-	-	-	1,8	12,10	204	RE88DC-5P05-2223
6	0.5mm ² /7	0,35	-	-	-	1,8	12,98	233	RE88DC-6P05-2223
7	0.5mm ² /7	0,35	-	-	-	1,8	12,98	253	RE88DC-7P05-2223
8	0.5mm ² /7	0,35	-	-	-	1,8	13,68	280	RE88DC-8P05-2223
10	0.5mm ² /7	0,35	-	-	-	1,8	15,26	335	RE88DC-10P05-2223
12	0.5mm ² /7	0,35	-	-	-	1,8	15,88	381	RE88DC-12P05-2223
15	0.5mm ² /7	0,35	-	-	-	1,8	17,29	454	RE88DC-15P05-2223
16	0.5mm ² /7	0,35	-	-	-	1,8	17,73	478	RE88DC-16P05-2223
20	0.5mm ² /7	0,35	-	-	-	1,8	19,35	574	RE88DC-20P05-2223
24	0.5mm ² /7	0,35	-	-	-	1,8	21,01	669	RE88DC-24P05-2223

2	0.75mm ² /7	0,38	-	-	-	1,8	10,73	143	RE88DC-2P075-223
3	0.75mm ² /7	0,38	-	-	-	1,8	11,34	174	RE88DC-3P075-223
4	0.75mm ² /7	0,38	-	-	-	1,8	12,24	208	RE88DC-4P075-223
5	0.75mm ² /7	0,38	-	-	-	1,8	13,25	243	RE88DC-5P075-223
6	0.75mm ² /7	0,38	-	-	-	1,8	14,25	279	RE88DC-6P075-223
7	0.75mm ² /7	0,38	-	-	-	1,8	14,25	304	RE88DC-7P075-223
8	0.75mm ² /7	0,38	-	-	-	1,8	15,06	337	RE88DC-8P075-223
10	0.75mm ² /7	0,38	-	-	-	1,8	16,86	406	RE88DC-10P075-223
12	0.75mm ² /7	0,38	-	-	-	1,8	17,57	464	RE88DC-12P075-223
15	0.75mm ² /7	0,38	-	-	-	1,8	19,18	555	RE88DC-15P075-223
16	0.75mm ² /7	0,38	-	-	-	1,8	19,68	586	RE88DC-16P075-223
20	0.75mm ² /7	0,38	-	-	-	1,8	21,53	706	RE88DC-20P075-223
24	0.75mm ² /7	0,38	-	-	-	1,8	23,40	825	RE88DC-24P075-223

2	1.00mm ² /7	0,4	-	-	-	1,8	11,58	163	RE88DC-2P1-223
3	1.00mm ² /7	0,4	-	-	-	1,8	12,25	200	RE88DC-3P1-223
4	1.00mm ² /7	0,4	-	-	-	1,8	13,27	241	RE88DC-4P1-223
5	1.00mm ² /7	0,4	-	-	-	1,8	14,40	284	RE88DC-5P1-223
6	1.00mm ² /7	0,4	-	-	-	1,8	15,53	326	RE88DC-6P1-223
7	1.00mm ² /7	0,4	-	-	-	1,8	15,53	357	RE88DC-7P1-223
8	1.00mm ² /7	0,4	-	-	-	1,8	16,43	397	RE88DC-8P1-223
10	1.00mm ² /7	0,4	-	-	-	1,8	18,46	479	RE88DC-10P1-223
12	1.00mm ² /7	0,4	-	-	-	1,8	19,26	550	RE88DC-12P1-223
15	1.00mm ² /7	0,4	-	-	-	1,8	21,06	661	RE88DC-15P1-223
16	1.00mm ² /7	0,4	-	-	-	1,8	21,63	698	RE88DC-16P1-223
20	1.00mm ² /7	0,4	-	-	-	2,0	24,11	868	RE88DC-20P1-223
24	1.00mm ² /7	0,4	-	-	-	2,0	26,18	1015	RE88DC-24P1-223



Nº Pairs	Cores	RT Insulation	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	1.30mm ² /7	0,45	-	-	-	1,8	12,43	185	RE88DC-2P1.3-233
3	1.30mm ² /7	0,45	-	-	-	1,8	13,16	229	RE88DC-3P1.3-233
4	1.30mm ² /7	0,45	-	-	-	1,8	14,29	278	RE88DC-4P1.3-233
5	1.30mm ² /7	0,45	-	-	-	1,8	15,55	328	RE88DC-5P1.3-233
6	1.30mm ² /7	0,45	-	-	-	1,8	16,80	378	RE88DC-6P1.3-233
7	1.30mm ² /7	0,45	-	-	-	1,8	16,80	416	RE88DC-7P1.3-233
8	1.30mm ² /7	0,45	-	-	-	1,8	17,81	464	RE88DC-8P1.3-233
10	1.30mm ² /7	0,45	-	-	-	1,8	20,06	562	RE88DC-10P1.3-233
12	1.30mm ² /7	0,45	-	-	-	1,8	20,94	646	RE88DC-12P1.3-233
15	1.30mm ² /7	0,45	-	-	-	1,8	22,95	779	RE88DC-15P1.3-233
16	1.30mm ² /7	0,45	-	-	-	1,8	23,58	823	RE88DC-16P1.3-233
20	1.30mm ² /7	0,45	-	-	-	2,0	26,29	1024	RE88DC-20P1.3-233
24	1.30mm ² /7	0,45	-	-	-	2,0	28,57	1200	RE88DC-24P1.3-233

2	1.50mm ² /7	0,45	-	-	-	1,8	12,77	196	RE88DC-2P1.5-233
3	1.50mm ² /7	0,45	-	-	-	1,8	13,53	243	RE88DC-3P1.5-233
4	1.50mm ² /7	0,45	-	-	-	1,8	14,70	296	RE88DC-4P1.5-233
5	1.50mm ² /7	0,45	-	-	-	1,8	16,01	350	RE88DC-5P1.5-233
6	1.50mm ² /7	0,45	-	-	-	1,8	17,31	404	RE88DC-6P1.5-233
7	1.50mm ² /7	0,45	-	-	-	1,8	17,31	445	RE88DC-7P1.5-233
8	1.50mm ² /7	0,45	-	-	-	1,8	18,36	496	RE88DC-8P1.5-233
10	1.50mm ² /7	0,45	-	-	-	1,8	20,70	602	RE88DC-10P1.5-233
12	1.50mm ² /7	0,45	-	-	-	1,8	21,62	693	RE88DC-12P1.5-233
15	1.50mm ² /7	0,45	-	-	-	2,0	24,11	862	RE88DC-15P1.5-233
16	1.50mm ² /7	0,45	-	-	-	2,0	24,76	911	RE88DC-16P1.5-233
20	1.50mm ² /7	0,45	-	-	-	2,0	27,16	1102	RE88DC-20P1.5-233
24	1.50mm ² /7	0,45	-	-	-	2,0	29,53	1292	RE88DC-24P1.5-233