

Rheyflat[®]-N / NGFLGOEU-J

Rubber Flat Festoon Cable



Construction 300/500V cables, EPR rubber compound insulated, PCP rubber compound outer sheath, plain copper conductors, $\leq 25\text{mm}^2$ extra flexible stranded class 6, $\geq 35\text{mm}^2$ flexible stranded class 5, to IEC 60228/DIN VDE 0295.

Application These cables are used for festoon and handling systems, machine tools, lifts and e-chain cable carrier systems. For applications with high mechanical stress and frequent bending in one plane only

No. cores × cross-sec. mm ²	Approx. outer dimensions mm	Approx. weight kg/km	Product code
Power			
4 × 4	9 × 26	410	RFC4 × 4
5 × 4	9 × 32	560	RFC5 × 4
7 × 4	9 × 42	700	RFC7 × 4
4 × 6	9.5 × 29	600	RFC4 × 6
5 × 6	9.5 × 35	650	RFC5 × 6
7 × 6	9.5 × 42	850	RFC7 × 6
4 × 10	11 × 33	800	RFC4 × 10
5 × 10	11 × 44	1000	RFC5 × 10
4 × 16	13 × 38	1150	RFC4 × 16
5 × 16	13 × 50	1450	RFC5 × 16
4 × 25	15 × 49.5	1700	RFC4 × 25
5 × 25	16 × 60	2200	RFC5 × 25
7 × 25	16 × 80	3060	RFC7 × 25
4 × 35	17 × 55	2200	RFC4 × 35
7 × 35	17 × 88	3900	RFC7 × 35
4 × 50	19 × 63	3000	RFC4 × 50
4 × 70	22 × 71	4000	RFC4 × 70
4 × 95	25 × 80	5300	RFC4 × 95
4 × 120	27 × 86	6400	RFC4 × 120
Control			
4 × 1.5	6.2 × 17.5	200	RFC4 × 1.5
5 × 1.5	6.2 × 21.5	240	RFC5 × 1.5
7 × 1.5	6.2 × 29	360	RFC7 × 1.5
8 × 1.5	6.2 × 31.5	370	RFC8 × 1.5
10 × 1.5	6.5 × 40	520	RFC10 × 1.5
12 × 1.5	6.5 × 47	620	RFC12 × 1.5
24 × 1.5	12.5 × 55	1300	RFC24 × 1.5
4 × 2.5	7.5 × 21	280	RFC4 × 2.5
5 × 2.5	7.5 × 27	400	RFC5 × 2.5
7 × 2.5	7.5 × 35	520	RFC7 × 2.5
8 × 2.5	7.5 × 39	550	RFC8 × 2.5
12 × 2.5	8 × 56	800	RFC12 × 2.5
24 × 2.5	16 × 68	1850	RFC24 × 2.5

Mechanical Properties

Tensile stress of the conductor	static	15N/mm ²
	dynamic	30N/mm ²
Bending radii	Refer to page 34	
Tests	Bending test	
Travelling festoon speed	up to 180m/min	

Electrical and Thermal Properties

Test Voltage:	2.0kV-50Hz in AC	
Current Rating	Refer to page 34	
Max. temperature at the conductor:	in service	+90°C
	under short-circuit conditions	+250°C
	Max. surface temperature	
	fixed installations	-50°C up to +80°C
	mobile operation	-35°C up to +80°C

Cores Identification

DIN VDE 0293 part 308/HD 308 S2
4 cores: black, grey, green/yellow, brown
5 cores: black, grey, green/yellow, brown, blue
>5 cores: black with white printed numbers & green/yellow

