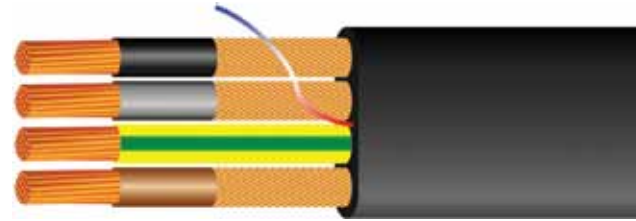


Rheyflat[®]-N / (N)GFLCGOEU-J

Screened Rubber Flat Festoon Cable



Construction 300/500V cables, EPR rubber compound insulated, PCP rubber compound outer sheath, tinned copper braid screen with >80% coverage, flame retardant, 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. Copper screens are efficient against electro magnetic disturbances caused by power cables.

No. cores \times cross-sec. mm^2	Approx. outer dimensions mm	Approx. weight kg/km	Product code
Power			
4 \times 4 C	29 \times 10.5	505	RFCY4 \times 4C
4 \times 6 C	31 \times 10.5	605	RFCY4 \times 6C
4 \times 10 C	36 \times 11.5	840	RFCY4 \times 10C
4 \times 16 C	41.5 \times 13.5	1180	RFCY4 \times 16C
4 \times 25 C	47 \times 15	1605	RFCY4 \times 25C
4 \times 35 C	55 \times 17	2520	RFCY4 \times 35C
4 \times 50 C	66 \times 20.5	3000	RFCY4 \times 50C
Control			
4 \times 1.5 C	18.5 \times 6.5	220	RFCY4 \times 1.5C
8 \times 1.5 C	36 \times 7.5	470	RFCY8 \times 1.5C
12 \times 1.5 C	54.5 \times 8.5	745	RFCY12 \times 1.5C
4 \times 2.5 C	22.5 \times 7.5	320	RFCY4 \times 2.5C
12 \times 2.5 C	69.5 \times 9.5	1180	RFCY12 \times 2.5C
Bus			
4 \times (2 \times 1) C	37 \times 12.5	640	RFCY4 \times 2 \times 1C

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 in AC	
(according to DIN VDE 0250 part 809)		
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