

NSGAFÖU-CY 1, 9/3, 3 kV

Based on DIN VDE 0250 p. 602

Single conductor EPR insulated, Cu screened
and CPE sheathed power cable

CONSTRUCTION

Conductors	Annealed flexible stranded tin coated copper class 5 to IEC 60228, HD 383
Separator	A suitable tape separator between the conductor and insulation.
Insulation	Ethylene-propylene rubber (EPR) type 3GI3 to DIN VDE 0207 p. 20
Concentric screen	Wrap of AL/PET + braid of tinned copper wires (dia. 0,3). Covering 82%
Outer jacket	A synthetic thermosetting compound type 5GM3 to DIN VDE 0207 p. 21
Colour of outer jacket	Black or colours can be provided

FEATURES

- **Excellent flexibility**
- **Water resistant and flame retardant**
- **Temperature range -25°C to +90 °C. For fixed installation lowest temperature is -40 °C**
- **UV, sunlight, oil resistant**
- **Ink jet printed for easy identification**

APPLICATIONS

- **Heavy-duty flexible single core power cable with concentric screen for mobile and fixed applications.**
- **Other industrial applications**

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Number and cross- sectional area of conductor	Thickness of insulation	Thickness of sheath	Approx. overall diameter	Approx. net weight of cables	Conductor resistance at 20°C
mm ²	mm	mm	mm	kg/km	Ω/km
1x50	1,8	1,4	17,2	715	0,393
1x70	1,8	1,4	19,0	925	0,277
1x95	2,2	1,4	21,9	1200	0,210
1x120	2,2	1,4	23,0	1445	0,164
1x150	2,2	1,4	24,8	1735	0,132
1x185	2,4	1,4	27,4	2085	0,108
1x240	2,6	1,4	29,3	2625	0,0817
1x300	2,8	1,4	33,4	3250	0,0654
1x400	3,1	2,0	37,1	4238	0,0495