

# TUBEFLEX-Y roundshaped flat ribbon cable for IDC-technique, pitch 1,27 mm



## Technical data

- Roundshaped special Flat Ribbon Cable
- **Conductor resistance** at 20°C  
max. 230 Ohm/km
- **Temperature range**  
-20°C up to +80°C
- **Voltage rating** max. 300 V
- **Test voltage**  
core/core 2000 V
- **Dielectric strength, Spark-test**  
3000 V
- **Insulation resistance**  
min. 20 MOhm x km
- **Capacitance** (side cores)  
ca. 75 pF/m
- **Impedance** 115 Ohm
- **Minimum bending radius**  
15x cable Ø
- **Radiation resistance**  
up to 80x10<sup>6</sup> cJ/kg (up to 80 Mrad)

## Cable construction

- Stranded tinned copper conductor, size AWG 28  
7x0,127 mm = 0,09 mm<sup>2</sup>
- Special PVC core insulation, adapted to DIN VDE 0207 part 4
- Cores colour grey, edge marking on one side
- Cores laying parallel and adjacent, alternately spliced or separated and periodically slotted
- Roundshaped flat ribbon cable, folded
- Taping
- Special PVC outer sheath, adapted to DIN VDE 0207 part 5
- Colour grey

## Properties

- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers
- **Very interesting for cable pre-assemblers!**

## Application

TUBEFLEX-Y Flat ribbon cable, due to its roundshape offers considerable advantages compared with other flat ribbon cables during the installation and assembly. This roundshaped cable bids enormous profits by using the quick and economical possibilities under continuance with the efficient connection in IDC-technique. All conductors can be contacted at one working procedure without stripping the insulation. The accurate to size pitch-image of the ribbon cable is obtained due to an adapted backshaping before the plug installation.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x AWG-Nr.	Flat ribbon dimension width mm	Outer jacket nominal wall-thickness mm	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
45130	9 x 28	11.43	0,8	6,1	8,7	35,0
45131	10 x 28	12.7	0,8	6,2	9,7	36,0
45132	14 x 28	17.78	0,8	7,2	13,6	48,0
45133	16 x 28	20.3	0,8	7,2	15,5	51,0
45134	20 x 28	25.4	0,8	8,3	19,4	57,0
45135	24 x 28	30.48	0,8	8,6	23,2	66,0
45136	25 x 28	31.75	0,8	8,6	24,2	69,0
45137	26 x 28	33.02	0,8	8,6	25,2	70,0

Part No.	No. cores x AWG-Nr.	Flat ribbon dimension width mm	Outer jacket nominal wall-thickness mm	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
45138	30 x 28	38.1	0,8	9,0	29,0	81,0
45139	34 x 28	43.2	0,8	10,0	32,9	87,0
45140	36 x 28	45.72	0,8	10,2	34,9	91,0
45141	37 x 28	47.0	1,0	10,3	35,8	93,0
45142	40 x 28	50.8	1,0	10,5	38,7	101,0
45143	50 x 28	63.5	1,0	11,1	48,4	118,0
45144	60 x 28	76.2	1,0	11,4	58,1	135,0
45145	64 x 28	81.3	1,0	11,6	62,0	147,0

Dimensions and specifications may be changed without prior notice.