

U-8RW4FRT (C)

CU/MGT/EPR/OS/SW4

BS 6883, BS 7917 / Fire Resistant, Halogen Free, Flame Retardant, Low Smoke



»» Construction

- 1 Conductor** : Tinned stranded copper in accordance with IEC 60228 CL2, CL5
- 2 Mica Tape** : Helically applied fire resistant tape
- 3 Insulation** : Ethylene Propylene Rubber (EPR), GP4 in accordance with BS 7655-1.2
- 4 Tape** : Polyester tape
- 5 Wire** : Tinned copper drain wire
- 6 Tape** : Metal coated polyester tape
- 7 Outer Jacket** : Halogen free extruded compound, SW4 in accordance with BS 7655-2.6

»» Technical Features

- Max. Operating Temperature** : 90 °C
- Rated Voltage** : 250 V
- Design Guidelines** : BS 6883
- Halogen Free Properties** : IEC 60754-1 & IEC 60754-2
- Low Smoke Emission Flame** : IEC 61034-1 & IEC 61034-2
- Low Smoke Emission Flame Retardancy** : IEC 60332-1
- Flame Propagation** : IEC 60332-3-22 Cat. A
- Fire Endurance** : IEC 60331-21

»» Marking

ÜNİKA (yy) U-8RW4FRT (C) CU/MGT/EPR/OS/SW4 (...)(...) mm² 0,6/1 kV BS 6883:1999 & IEC 60332-3-22 Cat. A & IEC 60331-21 XX MT

»» Application

Used in ship and sea vehicles for telecommunication and signal applications, screened against electromagnetic interferences.

U-8RW4FRT (C) TECHNICAL DATA SHEET

Item	TYPE	Cross-section (mm ²)	Weight (approx.) (kg/km)	Outer Diameter (approx.) (mm)	MCDR at 20 °C (Ω/km)	Inductance (approx.) (mH/km)	Capacitance (approx.) (nF/km)	L/R ratio (μH/Ω)	Rated Voltage (V)	MCCC CT at 90 °C AT at 45 °C (A)
1.		3 x 2 x 0,75	273	14,4	24,8	0,74	92	30		8
2.		7 x 2 x 0,75	563	19,3	24,8	0,74	92	30		7
3.		12 x 2 x 0,75	938	26,0	24,8	0,74	92	30		7
4.		20 x 2 x 0,75	1505	32,6	24,8	0,74	92	30		5
5.		27 x 2 x 0,75	1989	37,4	24,8	0,74	92	30		5
6.		37 x 2 x 0,75	2678	42,3	24,8	0,74	92	30		5
7.		3 x 2 x 1	308	15,0	18,2	0,75	107	41		10
8.	U-8RW4FRT (C)	7 x 2 x 1	638	20,2	18,2	0,75	107	41		9
9.		12 x 2 x 1	1063	27,2	18,2	0,75	107	41		9
10.		20 x 2 x 1	1709	34,1	18,2	0,75	107	41	250	6
11.		27 x 2 x 1	2282	39,4	18,2	0,75	107	41		6
12.		37 x 2 x 1	3073	44,6	18,2	0,75	107	41		6
13.		3 x 3 x 0,75	326	16,3	24,8	0,74	92	30		7
14.		7 x 3 x 0,75	658	21,7	24,8	0,74	92	30		7
15.		12 x 3 x 0,75	1113	29,5	24,8	0,74	92	30		5
16.	3 x 3 x 1	369	17,0	18,2	0,75	107	41		9	
17.	7 x 3 x 1	763	22,9	18,2	0,75	107	41		9	
18.	12 x 3 x 1	1271	30,9	18,2	0,75	107	41		6	

MCCC: maximum Current Carrying Capacity / CT: Conductor Temperature / AT: Ambient Temperature / MCDR: Max. Conductor Dc Resistance