U-8RW4FRGT (C)

CU/MGT/EPR/SW4/GSWB/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	**Inner Jacket**	: Halogen free extruded compound, SW4 in accordance with BS 7655-2.6
8	**Armour**	: Steel wire braid in accordance with BS 6883
9	**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-8RW4FRGT (C) CU/MGT/EPR/OS/SW4/GSWB/SW4 (..)x(..) 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-8RW4FRGT (C) TECHNICAL DATA SHEET

Item	TYPE	Cross-section (mm^2)	UKOOA	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.	U-8RW4FRGT (C)	3 x 2 x 0,75	GLH00	512	18,7	24,8	0,74	92	30	250	8
2.		7 x 2 x 0,75	GLJ00	887	23,9	24,8	0,74	92	30		7
3.		12 x 2 x 0,75	GLK00	1395	30,9	24,8	0,74	92	30		7
4.		20 x 2 x 0,75	GLL00	2253	38,7	24,8	0,74	92	30		5
5.		27 x 2 x 0,75	GLM00	2887	43,9	24,8	0,74	92	30		5
6.		37 x 2 x 0,75	GLN00	3711	49,1	24,8	0,74	92	30		5
7.		3 x 2 x 1	GLH01	556	19,4	18,2	0,75	107	41		10
8.		7 x 2 x 1	GLJ00	988	24,9	18,2	0,75	107	41		9
9.		12 x 2 x 1	GLK00	1557	32,4	18,2	0,75	107	41		9
10.		20 x 2 x 1	GLL00	2517	40,5	18,2	0,75	107	41		6
11.		27 x 2 x 1	GLM00	3227	46,0	18,2	0,75	107	41		6
12.		37 x 2 x 1	GLN00	4185	51,5	18,2	0,75	107	41		6
13.		3 x 3 x 0,75	GLS00	593	20,6	24,8	0,74	92	30		7
14.		7 x 3 x 0,75	GLT00	1032	26,4	24,8	0,74	92	30		7
15.		12 x 3 x 0,75	GLK00	1780	35,4	24,8	0,74	92	30		5
16.		3 x 3 x 1	GLS01	658	21,6	18,2	0,75	107	41		9
17.		7 x 3 x 1	GLT01	1171	27,8	18,2	0,75	107	41		9
18.		12 x 3 x 1	GLK01	1984	37,0	18,2	0,75	107	41		6

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