



CASPLAST™ RW

4GKW-AX Plus Flex
-40°C to +120 °C , 1.8/3 kV



Construction

Type: single core cable
Core: flexible tin-plated copper
Insulation: cross-linked compound
Sheath: cross-linked compound

Production

Range width: 1.0 to 400mm²
Options: Please consult us for any special requirements

Application

Rolling stock : power cables with special fire performance
used inboards safety circuits, lighting circuits, auxiliary circuits

General characteristics

Chemical behavior : very good resistance to acide, base,
mineral oil and fuel
Mechanical behavior : excellent cut-through resistance and
excellent abrasion resistance
Extra-Flexibility

Thermal characteristics

Operating temperature: -40°C to +120°C

Electrical characteristics

Operating Voltage: 1.8 / 3kV
Test Voltage: 6.5kV A.C.

Approvals – Standards

Flame retardant: acc. to EN60332-1-2 / IEC 60332-1-2
Halogen free: acc. to EN 60754-1 / IEC 60754-1
Low smoke: acc. to EN 61034-1-2 / IEC 61034-1-2
Oil-resistant: acc. To EN 60811-404 / IEC 60811-404
Burning behavior: acc. to EN 60332-1-2 / IEC 60332-1-2
Smoke Density: acc. to EN 61034-1+2 / IEC 61034-1+2
Corrosivity of combustion gases: acc. to EN 60754-2 / IEC 60754-2

Casmoc Part No.	Cross section	Conductor Structure			Final O.D.				Approx. Wt.	
	(mm ²)	# Strands	Diam. Of Strands		(in)	(mm)	Tolerance		(lb./kft)	(kg/km)
			(in)	(mm)			(in)	(mm)		
1120051X	1	32	0.008	0.20	0.110	2.80	0.008	0.4	11	17
1120051-5X	1.5	30	0.010	0.25	0.126	3.20	0.008	0.4	15	23
1120052-5X	2.5	49	0.010	0.25	0.146	3.70	0.008	0.4	24	35
1120054X	4	56	0.012	0.30	0.175	4.45	0.008	0.4	36	53
1120056X	6	84	0.012	0.30	0.199	5.05	0.008	0.4	51	76
11200510X	10	315	0.008	0.20	0.240	6.10	0.012	0.6	82	122
11200516X	16	490	0.008	0.20	0.307	7.80	0.012	0.6	126	187
11200525X	25	779	0.008	0.20	0.378	9.60	0.012	0.6	190	283
11200535X	35	1045	0.008	0.20	0.449	11.40	0.012	0.6	266	396
11200550X	50	969	0.010	0.25	0.528	13.40	0.012	0.6	376	560
11200570X	70	1355	0.010	0.25	0.587	14.90	0.020	1.0	504	750
11200595X	95	1850	0.010	0.25	0.665	16.90	0.020	1.0	659	980
112005120X	120	2331	0.010	0.25	0.756	19.20	0.020	1.0	829	1234
112005150X	150	2960	0.010	0.25	0.827	21.00	0.039	2.0	1042	1550
112005185X	185	3700	0.010	0.25	0.898	22.80	0.039	2.0	1250	1860
112005240X	240	4800	0.010	0.25	1.028	26.10	0.039	2.0	1680	2500
112005300X	300	4144	0.012	0.30	1.146	29.10	0.039	2.0	2117	3150
112005400X	400	5439	0.012	0.30	1.280	32.50	0.039	2.0	2621	3900