Application

60245 IEC 66 (YCW) cables are intended for use with heavy-duty portable equipment in industrial and construction environments. They are designed to withstand harsh mechanical stress, outdoor conditions, and exposure to oils and chemicals.

Performance

Voltage Rating: 450/750 V.
Temperature Range: -25°C to +60°C.
Conductor Temperature: Maximum continuous operating temperature is 60°C.
Minimum bending radius, fixed installation: 4 x outer diameter
Minimum bending radius in mm, stationary: 60.4 mm
Minimum bending radius, occasionally moved: 6 x outer diameter
Minimum bending radius in mm, occasionally flexing: 90.6 mm

Construction

Conductor: plain or tinned copper
Number of conductors:1,2,3,4 or 5
The conductors shall comply with the requirement given in IEC 60228 for class 5
Insulation: Rubber compound of Type IE4 according to IEC
Sheath
For single-core cables
– sheath in a single layer, rubber compound of type SE4
For multicore cables
a) Cross-sections not exceeding 10 mm^2
– in a single layer, rubber compound of type SE4
b) Cross-sections in excess of 10 mm^2
– either in a single layer, rubber compound of type SE4
– or in two layers, with the inner layer made of rubber compound of type SE3 and the outer layer of rubber compound of type SE4

Specification

-IEC 60245-1:2003: Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 1: General requirements

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

Technical Parameters

No. of Conductor × Nominal Cross Section Area	Thickness of Insulation	Thickness of Sheath			Overall Diameter	
		Single Layer	Double Layer		Lower Limit	Upper Limit
	Specified Value		Inner	Outer		
mm^2	mm	mm	mm	mm	mm	mm
1×1.5	0.8	1.4	–	–	5.7	7.1
1×2.5	0.9	1.4	–	–	6.3	7.9
1×4	1	1.5	–	–	7.2	9
1×6	1	1.6	–	–	7.9	9.8
1×10	1.2	1.8	–	–	9.5	11.9
1×16	1.2	1.9	–	–	10.8	13.4
1×25	1.4	2	–	–	12.7	15.8
1×35	1.4	2.2	–	–	14.3	17.9
1×50	1.6	2.4	–	–	16.5	20.6
1×70	1.6	2.6	–	–	18.5	23.3
1×95	1.8	2.8	–	–	20.8	26
1×120	1.8	3	–	–	22.8	28.6
1×150	2	3.2	–	–	25.2	31.4
1×185	2.2	3.4	–	–	27.6	34.4
1×240	2.4	3.5	–	–	30.6	38.3
1×300	2.6	3.6	–	–	33.5	41.9
1×400	2.8	3.8	–	–	37.4	46.8
2×1	0.8	1.3	–	–	7.7	10
2×1.5	0.8	1.5	–	–	8.5	11
2×2.5	0.9	1.7	–	–	10.2	13.1
2×4	1	1.8	–	–	11.8	15.1
2×6	1	2	–	–	13.1	16.8
2×10	1.2	3.1	–	–	17.7	22.6
2×16	1.2	3.3	1.3	2	20.2	25.7
2×25	1.4	3.6	1.4	2.2	24.3	30.7
3×1	0.8	1.4	–	–	8.3	10.7
3×1.5	0.8	1.6	–	–	9.2	11.9
3×2.5	0.9	1.8	–	–	10.9	14
3×4	1	1.9	–	–	12.7	16.2
3×6	1	2.1	–	–	14.1	18
3×10	1.2	3.3	–	–	19.1	24.2
3×16	1.2	3.5	1.4	2.1	21.8	27.6
3×25	1.4	3.8	1.5	2.3	26.1	33

Technical Parameters

No. of Conductor × Nominal Cross Section Area	Thickness of Insulation	Thickness of Sheath			Overall Diameter	
		Single Layer	Double Layer		Lower Limit	Upper Limit
	Specified Value		Inner	Outer		
mm^2	mm	mm	mm	mm	mm	mm
3×35	1.4	4.1	1.6	2.5	29.3	37.1
3×50	1.6	4.5	1.8	2.7	34.1	42.9
3×70	1.6	4.8	1.9	2.9	38.4	48.3
3×95	1.8	5.3	2.1	3.2	43.3	54
4×1	0.8	1.5	–	–	9.2	11.9
4×1.5	0.8	1.7	–	–	10.2	13.1
4×2.5	0.9	1.9	–	–	12.1	15.5
4×4	1	2	–	–	14	17.9
4×6	1	2.3	–	–	15.7	20
4×10	1.2	3.4	–	–	20.9	26.5
4×16	1.2	3.6	1.4	2.2	23.8	30.1
4×25	1.4	4.1	1.6	2.5	28.9	36.6
4×35	1.4	4.4	1.7	2.7	32.5	41.1
4×50	1.6	4.8	1.9	2.9	37.7	47.5
4×70	1.6	5.2	2	3.2	42.7	54
4×95	1.8	5.9	2.3	3.6	48.4	61
4×120	1.8	6	2.4	3.6	53	66
4×150	2	6.5	2.6	3.9	58	73
5×1	0.8	1.6	–	–	10.2	13.1
5×1.5	0.8	1.8	–	–	11.2	14.4
5×2.5	0.9	2	–	–	13.3	17
5×4	1	2.2	–	–	15.6	19.9
5×6	1	2.5	–	–	17.5	22.2
5×10	1.2	3.6	–	–	22.9	29.1
5×16	1.2	3.9	1.5	2.4	26.4	33.3
5×25	1.4	4.4	1.7	2.7	32	40.4

Technical Parameters

No. of Conductor × Nominal Cross Section Area	Thickness of Insulation	Thickness of Sheath	Overall Diameter	
	Specified Value	Specified Value	Lower Limit	Upper Limit
mm^2	mm	mm	mm	mm
2×0.75	0.6	0.8	5.7	7.4
2×1	0.6	0.9	6.1	8
2×1.5	0.8	1	7.6	9.8
2×2.5	0.9	1.1	9	11.6
3×0.75	0.6	0.9	6.2	8.1
3×1	0.6	0.9	6.5	8.5
3×1.5	0.8	1	8	10.4
3×2.5	0.9	1.1	9.6	12.4
4×0.75	0.6	0.9	6.8	8.8
4×1	0.6	0.9	7.1	9.3
4×1.5	0.8	1.1	9	11.6
4×2.5	0.9	1.2	10.7	13.8
5×0.75	0.6	1	7.6	9.9
5×1	0.6	1	8	10.3
5×1.5	0.8	1.1	9.8	12.7
5×2.5	0.9	1.3	11.9	15.3