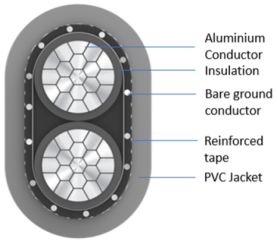
POLYCAB ALUMINIUM SE STYLE U CABLE
Industrial Cable, 600 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB Aluminium SE Style U is recommended to use in transmitting power from service point to the meter and to the distribution panel board. Further, it is applicable to all type of SE cable requirement. SEU may be used in wet or dry locations above the ground at ambient temperature not to exceed 90°C.

CHARACTERISTICS

Voltage Rating
600 V

Operation Temperature
-40°C to 90°C

CONSTRUCTION

- AA-8000 series stranded compacted Aluminium Alloy conductor as per ASTM B-801
- Insulated with a black coloured sunlight resistant Type XHHW-2 or Type THHN/THWN-2 to UL 44 or UL 83 respectively.
- Bare concentric ground wires wrapped helically over the insulated conductors
- A reinforced tape is applied over the cores for additional strength
- Sunlight resistant PVC jacket over the complete assembly. Colour : Grey.

Bending Radius
12 x Overall Diameter

A-C Spark Test
As per UL 44

OUTSTANDING FEATURES

- Heat resistant
- Sunlight resistant
- Moisture resistant
- Halogen free

STANDARD FOLLOWS

UL 44
UL 83
ASTM B-801
UL 854
National Electrical Code/NFPA 70,2011 Edition

COMPLIANCE

Conductor resistance test	ASTM B-801
Insulation resistance	UL 44
Cold bend test	UL 44
Flame test	UL 1581
Vertical tray flame test	UL 854
RoHS	
REACH	

OUR ACCREDITATIONS

APPROVAL

LISTED

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POLYCAB
IDEAS. CONNECTED.

Dimensional Characteristics:

No. of core	Conductor size	Insulation thickness	Dimension (L X W)	Approximate weight per 1000
	AWG or kcmil	mils	mils	lbs
SEU Aluminium Two conductor with Bare ground (Formerly referred as “Three conductor”)				
3	6-6-6	45	711 X 442	152
3	4-4-4	45	808 X 493	207
3	4-4-6	45	773 X 458	189
3	2-2-2	45	943 X 570	293
3	2-2-4	45	902 X 529	264
3	2/0-2/0-1	55	1246 X 730	482
3	2/0-2/0-2/0	55	1263 X 748	529
3	4/0-4/0-2/0	55	1476 X 854	703
3	4/0-4/0-4/0	55	1521 X 899	782

*Above values are approximate and subject to standard manufacturing tolerance

Electrical characteristics

Conductor Size AWG	*Allowable ampacity Amp.			Maximum DC resistance at 20°C
	60°C	75°C	90°C	Ω/km
6	40	50	60	2.1684
4	55	65	75	1.3633
2	75	90	100	0.8573
1	85	100	115	0.6798
1/0	100	120	135	0.5387
2/0	115	135	150	0.4275
3/0	130	155	175	0.3389
4/0	150	180	205	0.2690

The above reflects XHHW-2 conductor *Allowable ampacities shown are for general use as specified by the NEC 2011 Edition Section 310.16.
60°C – When terminated to equipment for circuit rated 100 ampere or less or marked for 14 through 1AWG conductor.
75°C – When terminated to equipment for circuit rated 100 ampere or less or marked for 14 through 1AWG conductor.
90°C – wet or dry locations for ampacity derating purposes