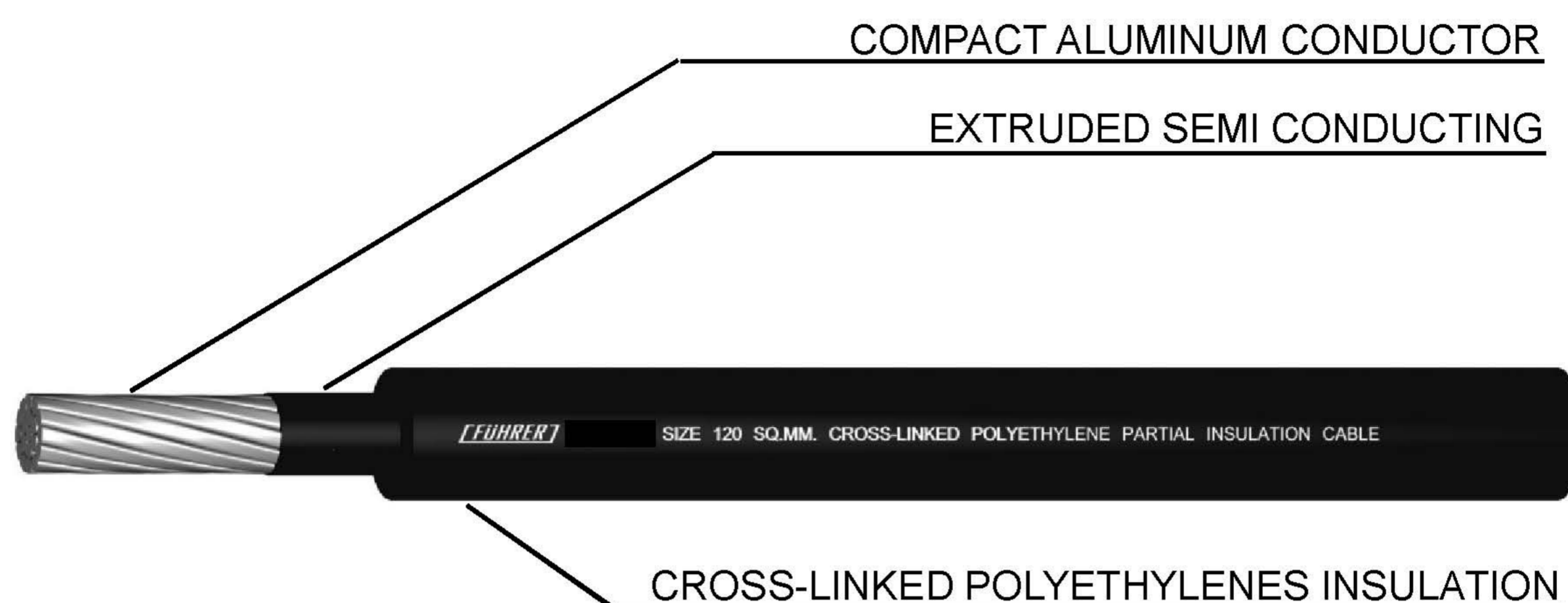


# PIC 25 KV

STANDARD

ICEA S-66-524/MEA/PEA TIS. 2341-2555

## CROSS - LINKED POLYETHYLENE PARTIAL INSULATED ALL ALUMINIUM CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE</b>	:	Single core
<b>CONDUCTOR</b>	:	Compact stranded hard drawn Aluminum wire Conductor sizes 35 mm <sup>2</sup> up to 240 mm <sup>2</sup>
<b>CONDUCTOR SHIELD</b>	:	Semi conducting cross-linked polyethylene
<b>INSULATION</b>	:	Track resistant cross-linked polyethylene Colour : Black
<b>CLASSIFICATION</b>	:	Normal operation 90 °C Emergency overload conditions 130 °C Short circuit conditions 250°C Voltage rating 25 Kv.( Phase to Phase )
<b>TESTING VOLTAGE</b>	:	11KV for 5 minutes
<b>REFERENCE</b>	:	ICEA S-66-524 /MEA/PEA



**STANDARD**

ICEA S-66-524/MEA/PEA TIS. 2341-2555

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Number of core	Nominal cross sectional area (mm <sup>2</sup> )	Minimum number of wire (no.)	Diameter of conductor approx. (mm)	Minimum Thickness of conductor shield & insulation (mm)	Overall Diameter (Approx) (mm)	Maximum DC conductor resistance at 20°C (Ω-Km)	Minimum breaking strength of conductor (N)	Minimum insulation resistance at 15.6°C (MΩ-Km)	Allowable current amp cities in free air at 40°C (ambient) (A)	Cable weight (Approx) (Kg/Km)	Standard length (m/d)
1	35	7	6.96	2.27	11.50	0.868	5,591	1,038	146	160	1,000/D
	50	7	8.28	2.36	13.00	0.641	7,313	990	178	215	1,000/D
	70	18	9.80	2.49	14.70	0.443	10,420	901	222	300	1,000/D
	95	18	11.45	2.58	16.60	0.320	14,098	832	274	380	1,000/D
	120	18	12.95	2.63	18.20	0.253	18,518	776	319	460	1,000/D
	150	18	14.20	2.62	19.50	0.206	22,457	728	363	560	1,000/D
	185	34	15.98	2.71	21.40	0.164	28,974	676	421	680	1,000/D
	240	34	18.47	2.82	24.10	0.125	37,506	630	503	880	1,000/D

D: Packing in drum.

