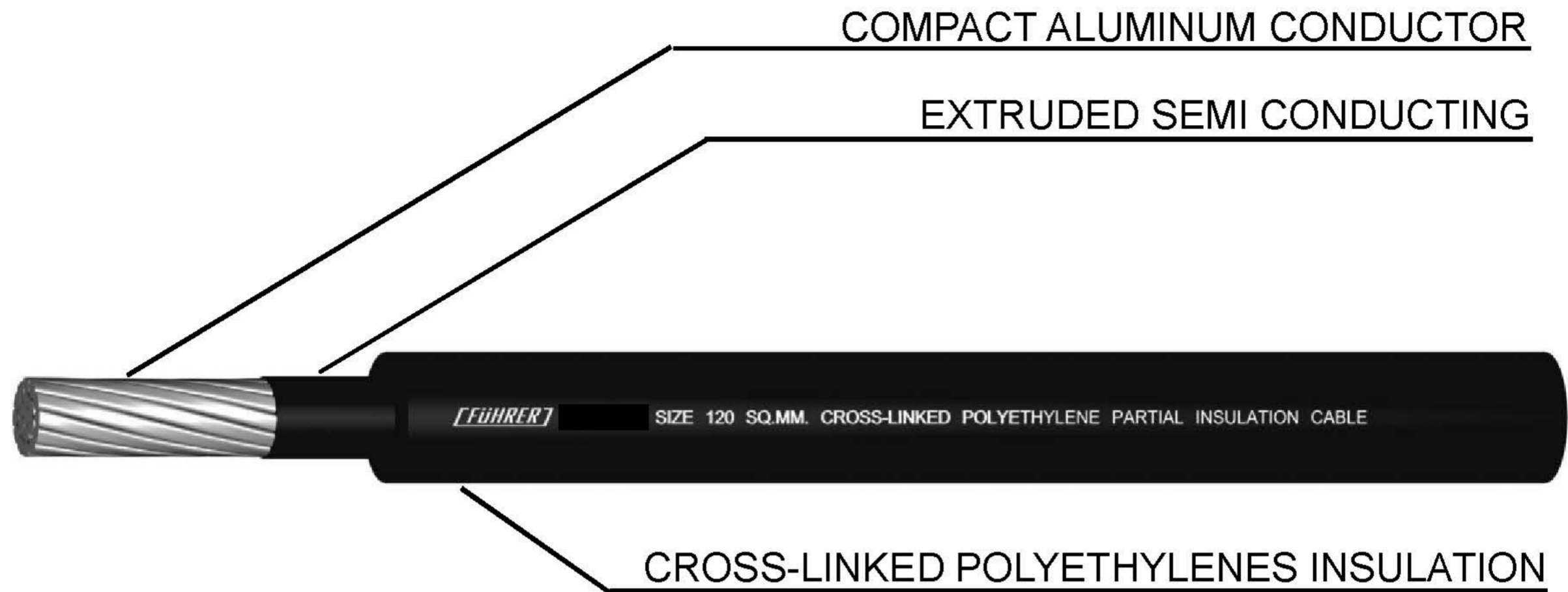

PIC 35 KV

STANDARD

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

CROSS - LINKED POLYETHYLENE PARTIAL INSULATED ALL ALUMINIUM CABLE



CABLE STRUCTURE

NUMBER OF CORE	:	Single core
CONDUCTOR	:	Compact stranded hard drawn Aluminum wire Conductor sizes 35 mm ² up to 240 mm ²
CONDUCTOR SHIELD	:	Semi conducting cross-linked polyethylene
INSULATION	:	Track resistant cross-linked polyethylene Colour : Black
CLASSIFICATION	:	Normal operation 90 °C Emergency overload conditions 130 °C Short circuit conditions 250°C Voltage rating 35 Kv.(Phase to Phase)
TESTING VOLTAGE	:	17KV for 5 minutes
REFERENCE	:	ICEA S-66-524 /MEA/PEA

STANDARD

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

PIC 35 KV

Number of core	Nominal cross sectional area (mm ²)	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	3.25	13.56	0.868	5,591	1,506	148	200	1,000/D
	50	7	8.28	3.40	15.18	0.641	7,313	1,429	180	215	1,000/D
	70	18	9.80	3.60	17.10	0.443	10,420	1,309	224	300	1,000/D
	95	18	11.45	3.70	18.95	0.320	14,098	1,213	275	380	1,000/D
	120	18	12.95	3.80	20.65	0.253	18,518	1,139	319	460	1,000/D
	150	18	14.20	3.80	21.90	0.206	22,457	1,069	363	560	1,000/D
	185	34	15.98	3.90	23.88	0.164	28,974	990	420	680	1,000/D
	240	34	18.47	3.95	26.47	0.125	37,506	901	501	880	1,000/D

D: Packing in drum.

