



TYPE 2 EV EXTENSION CABLE

SINGLE-PHASE / THREE-PHASE

The European standard Type 2 EV extension cable is a reliable connection device used between electric vehicles and charging stations. It is designed for AC charging via the vehicle interface. Featuring an attractive design, high safety, and reliable performance, it also offers a high level of protection.



ERGONOMIC & SLEEK DESIGN

The charging plug body adopts an integrated design which complies with ergonomics. It makes the appearance more beautiful and the touch more comfortable.



IP67 & IP55 PROTECTION

Excellent protection performance with IP67 protection connector and IP55 protection plug (in working condition).



DURABLE & RESILIENT HOUSING

High-strength thermoplastic casing, flame-retardant, weather-resistant, and impact-resistant.



CE / TÜV CERTIFIED

The product has passed CE/TÜV certification.

TECHNICAL SPECIFICATIONS

MODEL	XCF-1AC16A	XCF-1AC32A	XCF-3AC16A	XCF-3AC32A
ELECTRICAL PROPERTIES				
Rated Voltage [Vac]	250	250	480	480
Rated Current	16	32	16	32
Number of Phases	1	1	3	3
Insulation Resistance [MΩ]	≥500 (500 Vdc)			
Terminal Temperature Rise [K]	<50			
Withstand Voltage [Vac]	2500 (1 min, Unbroken or Flashed)			
Charging Mode	Mode 3, Case B			
CABLE/LINE				
Cable Specification [mm ²]	3*2.5 + 1*0.75	3*6 + 1*0.75	5*2.5 + 1*0.75	5*6 + 1*0.75
External Cable Diameter	φ10.5 ±0.5	φ13.5 ±0.5	φ13.5 ±0.5	φ16.5 ±0.5
Outer Sheath, Material	TPU			
Cable Length [m]	5 (Customizable)			
MECHANICAL PROPERTIES				
Mating Cycle [time]	≥10000			
Mating Force [N]	≤90			
ENVIRONMENTAL CONDITIONS				
Ambient Temperature [°C] (Operation)	-30 ~ +50			
Ambient Temperature [°C] (Storage/Transport)	-40 ~ +85			
Relative Humidity [%RH]	≤93 ±3			
Max. Altitude [m]	≤2000			
APPLIED MATERIALS				
Housing	Thermoplastic			
Insert Core	Nylon + Fiberglass			
Protective Cap	Rubber			
Power Insert Pin	Copper Alloy, Silver-Plated Surface			
OTHER PARAMETERS				
Level of Protection	IP67			
Flame Retardant Level	UL94-V0			
Number of Connector Cores [Core]	7			
EXECUTIVE STANDARD				
Standards	IEC 62196-2			