

Product Datasheet: Cable Selection – Typical Properties

TYPICAL CABLE PROPERTIES

The following typical cable properties are provided for general guidance. Consult manufacturer's datasheet for detailed advice.

GENERAL SPECIFICATION	PVC	PE	XLPE	PVDF	EPR	CSP	HMWPE	ECTFE
Temperature Range °C Min.	-40	-80	-50	-30	-40	-30	-40	-100
Temperature Range °C Max.	105	90	90	150	90	100	90	145
Abrasion Resistance	G	VG	VG	EX	G	VG	G	G
Chemical Resistance	F	EX	EX	EX	VG	G	G	VG
General Properties	F	G	G	G	EX	EX	G	G
Mechanical Strength	G	VG	VG	EX	F	VG	VG	VG
Water Resistance	F	VG	VG	VG	G	VG	VG	VG
Chlorine Resistance	-	G	VG	EX	G	VG	G	VG
Trade Names	-	-	-	Kynar	Nordel Epcar	Hypa- lon	Poly- olefin	Halar

LEGEND

F (fair) G (good) VG (Very Good) Ex (Excellent)

PVC: Polyvinyl Chloride

PE: Polyethylene

XLPE: Cross Linked Polyethylene

PVDF: Polyvinylidene Fluoride

EPR: Ethylene Propylene Rubber

CSP: Chlorosulphonated Polyethylene

HMWPE: High Molecular Weight Polyethylene

ECTFE: Ethylene-Chlorotrifluoroethylene Rubber.

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