

Enamel type	TW-0	TW-A	TW-C	TW-D	TW-F	TW-H
Description	bare wire	mod. Polyurethane	mod. Polyurethane	Polyesterimide	Polyamidimid	mod. Polyester
Characteristics	Bare wire without protecting enamel layer.	Wire with mechanically and chemically limited resistance. Large variety of colors.	Wire with mechanically and chemically good resistance, raised thermal properties. Large variety of colors.	Wire with mechanically and chemically high resistance, raised thermal properties. Enamel has a certain yellowish self-color.	Wire with mechanically and chemically very high resistance, very good thermal properties. Enamel has a certain yellowish self-color.	Wire with mechanically and chemically very good properties, good thermal resistance. Large variety of colors.
Colors	Metal colors.	Standard colors, customized colors possible.	Standard colors, customized colors possible.	Standard colors, customized colors only on request.	Standard colors, customized colors only on request.	Standard colors, customized colors possible.
Light fastness 1)	••••	•	••	•••	•	••••
UV stability 1)	••••	•	••	•••	•••	•••
Solderability	••••	••••	•••	•	–	–
Finishing / pre-treatment boil with alkaline chlorine bleach hydrogen peroxide bleach	2) 2) 2)	• ••• •••	•• ••• ••••	••• •••• ••••	••• •••• ••••	••• •••• ••••
Finishing / dyeing processing reactive dyestuff Acid dyestuff vat dyestuff	2) 2) 2)	•• •• dyeable • dyeable	•••• ••• weakly dyeable ••• weakly dyeable	•••• •••• not dyeable ••• weakly dyeable	•••• •••• not dyeable ••• weakly dyeable	•••• •••• not dyeable ••• weakly dyeable
dry cleaning	2)	••• may bleed slightly depending on dye	•••• may bleed slightly depending on dye	•••• will not bleed	•••• will not bleed	•••• will not bleed
Cave characters	2)					

•••• very well suited / ••• well suitable / •• moderately suitable / • less suitable /

Table of enamel types

2) not tested / 1) only the enamels, no pigments or color dyes were tested (ISO 105-B02: 1994(E), 50 h Xenon Light)