

Habiatron

Nuclear cable types

Habiatron C

Available in CQ (Q class) and CR (R class) types, Habia Cable's safety cable range is also able to extend to coaxial cables, qualified according to IEEE 383-1974 for 40 years at up to 90°C.

| | |
|------------|---|
| Conductor | TPC or CCS |
| Insulation | HFI 90 XL |
| Shield | Cu/Pr foil with TPC braid or Cu/Pr foil with SPC braid |
| Sheath | HFS 105 XL B (Q Class) or HFS 80 N (R Class) |
| Temp. | -30°C / +70°C |



Habiatron M

The component cores, used to make up our Q class cables. Habiatron M cores are highly radiation tolerant, flame retardant and low smoke, zero halogen.

| | |
|------------|------------------|
| Conductor | TPC |
| Insulation | HFI 260 |
| Sizes | 30 AWG to 12 AWG |
| Voltage | 300 V |
| Temp. | -60°C / +190°C |

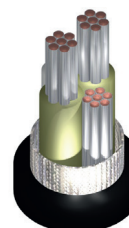


Habiatron Q

The new generation of extended life LOCA approved cables use HFI 260 and HFS 105 XL B to give an actual lifetime in a nuclear environment of 60 years.

Designed for use in Class 1E safety systems (e.g. primary pumps, safety valves, volume controls and emergency shut-down systems) the Habiatron Q concept is independently qualified to IEEE 383-2003 for a 60 year operational life at up to 90°C with a jacket operating temperature of 70°C.

| | |
|------------|---|
| Conductor | TPC |
| Insulation | HFI 260 |
| Shield | Optional TPC braid Optional Cu/Pr foil |
| Sheath | HFS 105 XL B |
| Voltage | 300 V |
| Temp. | -25°C / +125°C |



Habiatron R

Safety cables used for monitoring safety related functions within the power plant. Mainly used within containment areas where they offer a high level of performance, coupled with excellent smoke generation and flame retardant properties.

Habiatron R is qualified for a lifetime of 60 years at 90°C conductor temperature and 70°C jacket temperature.

| | |
|------------|---|
| Conductor | TPC |
| Insulation | ETFE |
| Shield | Optional TPC braid Optional Cu/Pr foil |
| Sheath | HFS 80 N |
| Voltage | 600 V |
| Temp. | -25°C / +125°C |

