





### CABLE CONSTRUCTION

**Conductors:** Tinned copper wire, stranded according to IEC(EN) 60228 class 2.

**Insulation:** Foam PE.

**Fire Barrier:** Mica Glass Tape

**Cabling Elements:** Insulated cores are twisted to form pairs with varying lay length to minimize crosstalk. Two pair cable had four cores laid in quad formation.

**Cabling:** Pairs are cabled together in concentric layers.

**Overall Screen 1:** Overall aluminium/polyester tape.

**Overall Screen :** Tinned copper wire braiding.

**Inner Sheath:** Thermoplastic LSZH compound.

**Armoured:** Galvanized steel wire.

**Outer Sheath:** Thermoplastic LSZH compound

### PHYSICAL AND THERMAL PROPERTIES

**Temperature range during operation ( fixed state):** -20°C - +90°C

**Temperature range during installation (mobile state):** -5°C - +60°C

**Minimum bending radius:** 8 x Overall Diameter

### ELECTRICAL PROPERTIES

<b>Dielectric test</b>	2000 V r.m.s. for 5' (core-core) 1000 V r.m.s. for 5' (core-screen)
<b>Impedance</b>	120Ω
<b>Capacitance</b>	45 nF/km conductor to conductor
	90 nF/km conductor to shield

### CONSTRUCTION PARAMETERS

Cable Code	No. of Pair	Nominal Cross Sectional Area	No./ Nominal Diameter of Strands	Nominal Insulation Thickness	Steel Wire Armour Diameter	Nominal Sheath Thick-ness	Nominal Overall Diameter	Approx. Weight
	No	mm <sup>2</sup>	No/mm	mm	mm	mm	mm	kg/km
RE-m02Y(St)CHSWAH-2P22AWG	2	0.33	7/0.254	0.6	0.9	1.6	18.5	600



Standard



Flame Retardancy  
NF C32-070-2.1(C2)  
IEC60332-1-2/EN50265-2



Reduced Fire Propagation  
NF C32-070-2.2(C1)  
IEC60332-3-24



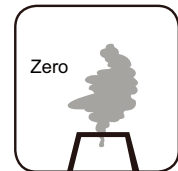
Low Toxicity  
NES 02-713/NF C 20-454



Low Corrosivity  
IEC60754-2  
EN50267-2-2/3  
NF C. 32-074



Low Smoke Emission  
IEC 61034-1&2  
EN 50268-1&2/NF C32-07:



Zero  
Halogen Free  
IEC60754-1  
EN50267-2-1