Ed.1
Feb.28,2022

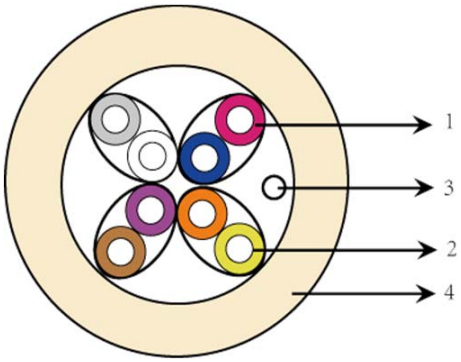
TECHNICAL DATA SHEET

OR298PTTGRADE1SE

Code: RSY-PTT2984P01PC
DoP Number: RSYP01-XX
Reaction to Fire: Eca

100Ω U/UTP 4 pairs of 100 MHz Cable

Construction



1. Conductor	**Solid Bare Copper**
Diameter (mm)	AWG 24
2. Insulation	**Solid PE**
Diameter (mm)	0.85 ± 0.05
Color Code	
Pair 1	Grey - White
Pair 2	Pink - Blue
Pair 3	Orange - Yellow
Pair 4	Violet - Brown

Assembly
4 twisted Pairs in the same order as the drawing above

3. Rip Cord
Shall be placed under the outer sheath

4. Sheath	**PVC**
Thickness (mm)	0.45
Diameter (mm)	4.90 ± 0.3
Color	Ivory RAL 1013

Marking **Black Ink**
PTT298 OREANCABLES Eca RSYP01-XX WW/YY xxxxxxM
Remark: XX-Supplier code; WW-Weak; YY-Year;

Electrical Characteristics

Characteristic Impedance (Ω) from 1 to 100 MHz	100 ± 15
Conductor DC Resistance @ 20℃ (Ω/Km)	< 103
Rated Temperature(℃)	60
Velocity ratio	69%

Comply with FLUKE ISO CLASS D Perm.Link Standard:

	Attenuation	Return Loss	NEXT
1 MHz	4.0	19.0	60.0
4 MHz	4.0	19.0	54.8
10 MHz	6.0	19.0	48.5
16 MHz	7.7	19.0	45.2
20 MHz	8.6	19.0	43.7
31.25 MHz	10.9	17.1	40.5
62.5 MHz	15.8	14.0	35.7
100 MHz	20.4	12.0	32.3

RoHS GUIDELINE
We operate according to the following standards

Control Item	Standard	Testing Method	Testing Equipment
Cadmium content (Cd)	<0.01%	EN1122	ICP-AES
Lead content (Pb)	<0.1%	EPA3050B	ICP-AES
Mercury content (Hg)	<0.1%	EPA3052	ICP-AES
Chromium (VI) content	<0.1%	EPA3060(UN-VIS)	ICP-AES
Polybrominated Biphenyls(PBB)	Forbidden	GC/MS	
Polybrominated Diphenyl Ether (PBDE)	Forbidden	GC/MC	