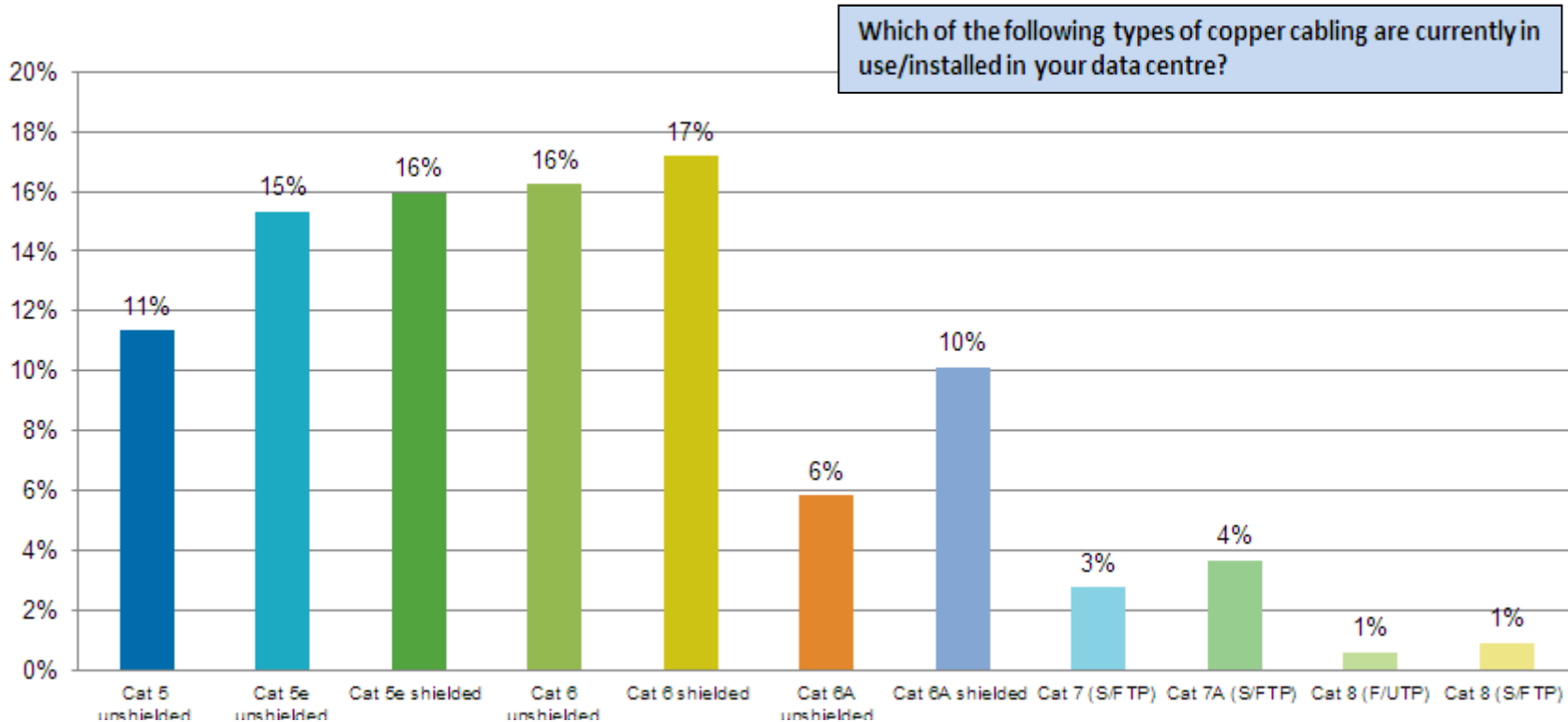
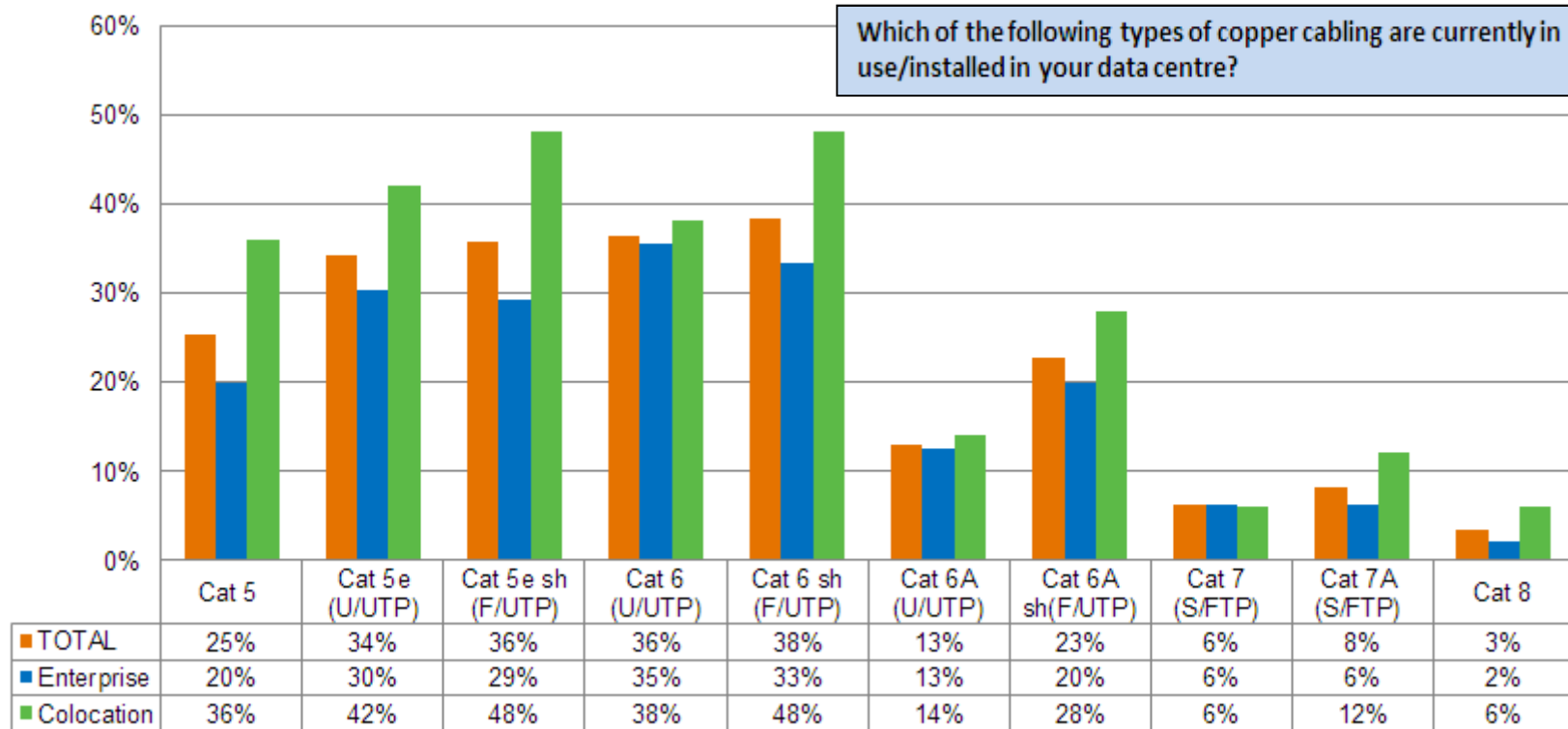


Copper: Categories Installed



- 4% of all data center cabling is category 7_A

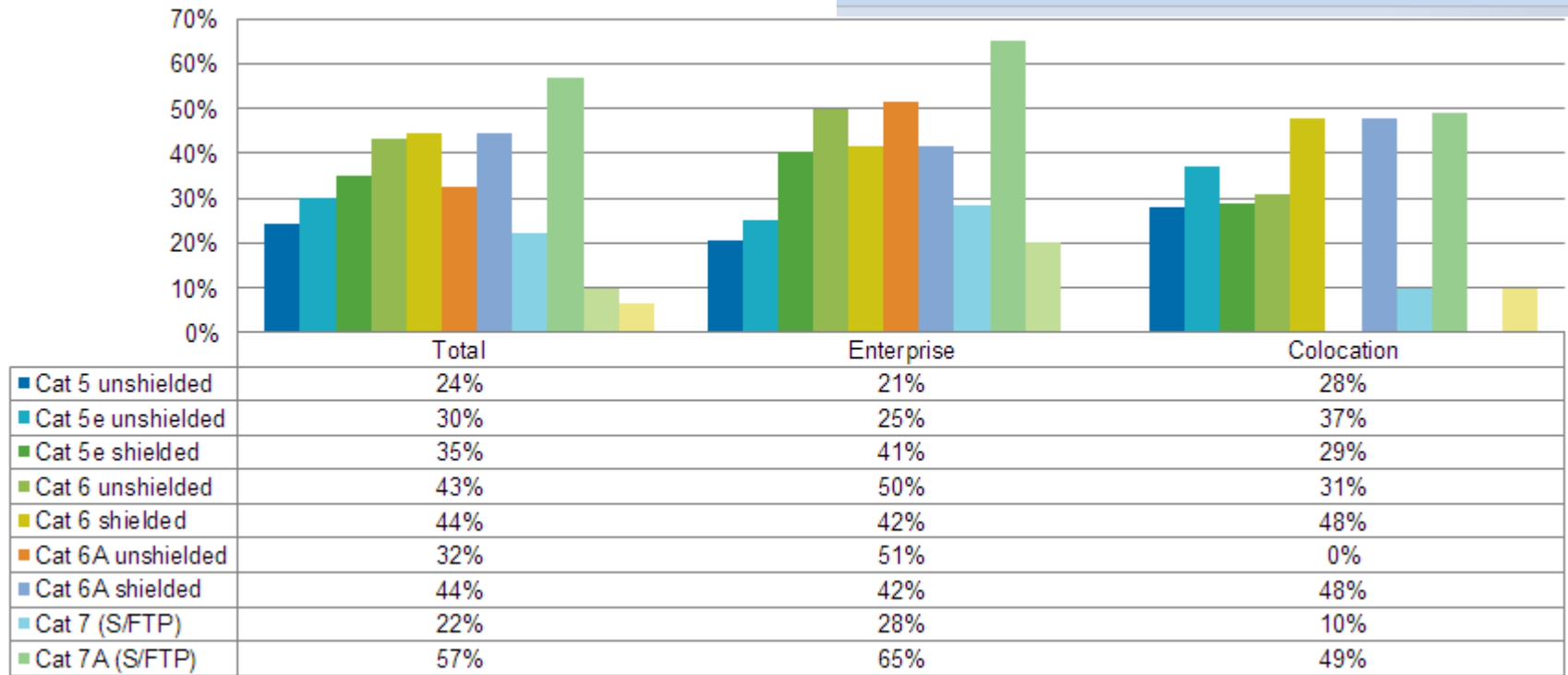
Copper: Categories Installed - Summary of Means



- However, 12% of colocation and 6% of enterprise data centers have some category 7_A cabling installed in them

Copper: Categories Installed Last 12months

What percentage of the total volume of each type of copper cable was bought in the last twelve months?



- And, in the last 12 months, 57% of data center end users have purchased category 7_A cable - these are potentially 25GBASE-T ready drops!

Conclusions

- Multiple technical contributions exist demonstrating that up to 30m of the installed base of class F_A cabling can support 25GBASE-T
 - [“Cat 7A Channel Analysis”](#), Stephen Bates
 - [“Class FA Cabling for 25GBASE-T”](#), Yakov Belopolsky
 - [“ISO/IEC 11801-1 Cabling Characteristics”](#), Dave Hess
 - [“Comparison of Cat7A Channel and 802.3bq Link Segment Specification”](#), Martin Rossbach
- 10 to over 20 million installed class F_A cabling drops will potentially be available to support 25GBASE-T by the end of the year
- 30m of category 7_A should be recognized for support of 25GBASE-T media and explicitly incorporated into clause 113.7 of the next IEEE P802.3bq draft

Annex A – Reference BSRIA market information

- The following extracts from BSRIA “Global Data Centres 2014, End-User Survey Results, Report 58108/1, Edition 2, January 2015 in this Annex have been provided with the kind permission of BSRIA

Global Data Centres 2014

End-User Survey Results

By Helen Bedford

Report 58108/1 Edition 2 January 2015

A Published Market Report

WMI Cabling





A BSRIA Published Market Report

Global Data Centres – End-User Survey Results

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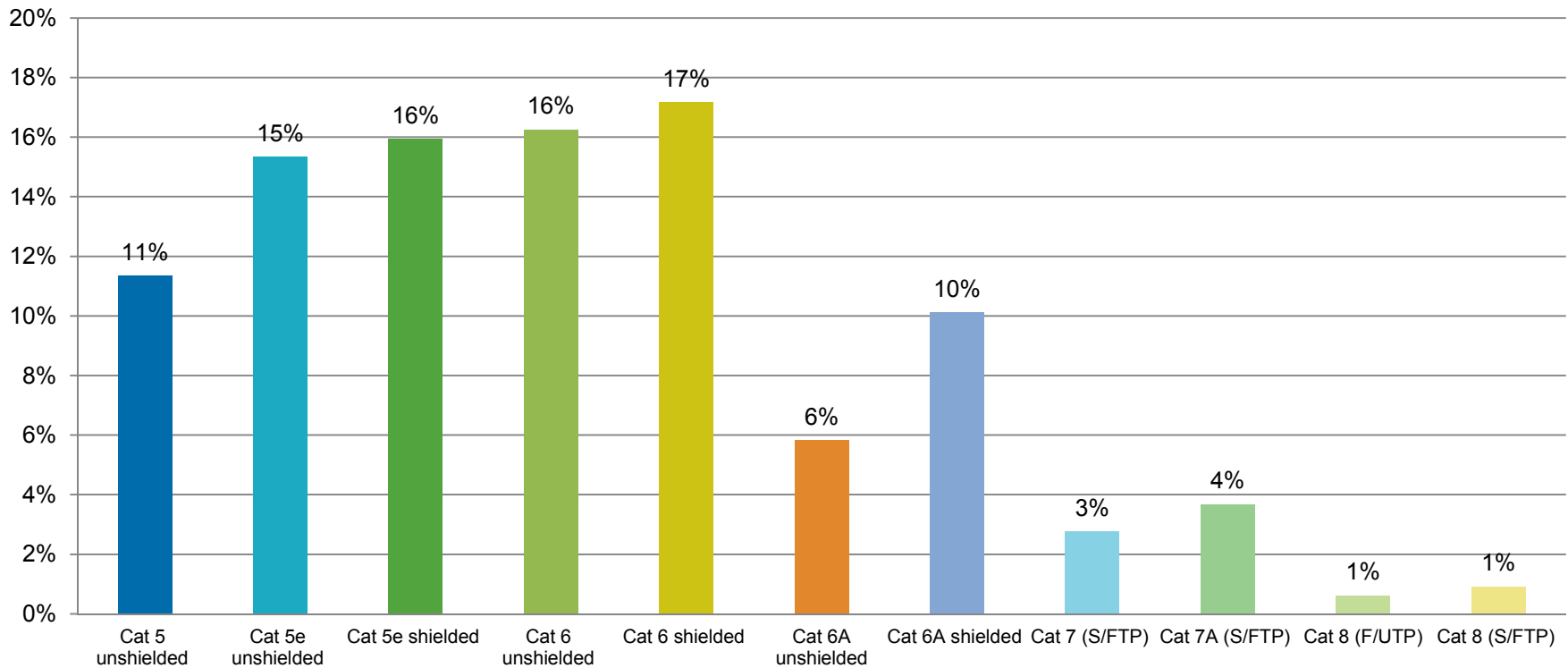
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Copper: Categories Installed

Which of the following types of copper cabling are currently in use/installed in your data centre?

Breakdown of Copper by Category



Overall, the biggest share in the installed base is taken by Cat6 (both shielded and unshielded) – 33%.

Cat5e is still holding its place in the Data Centres that participated in the Survey.

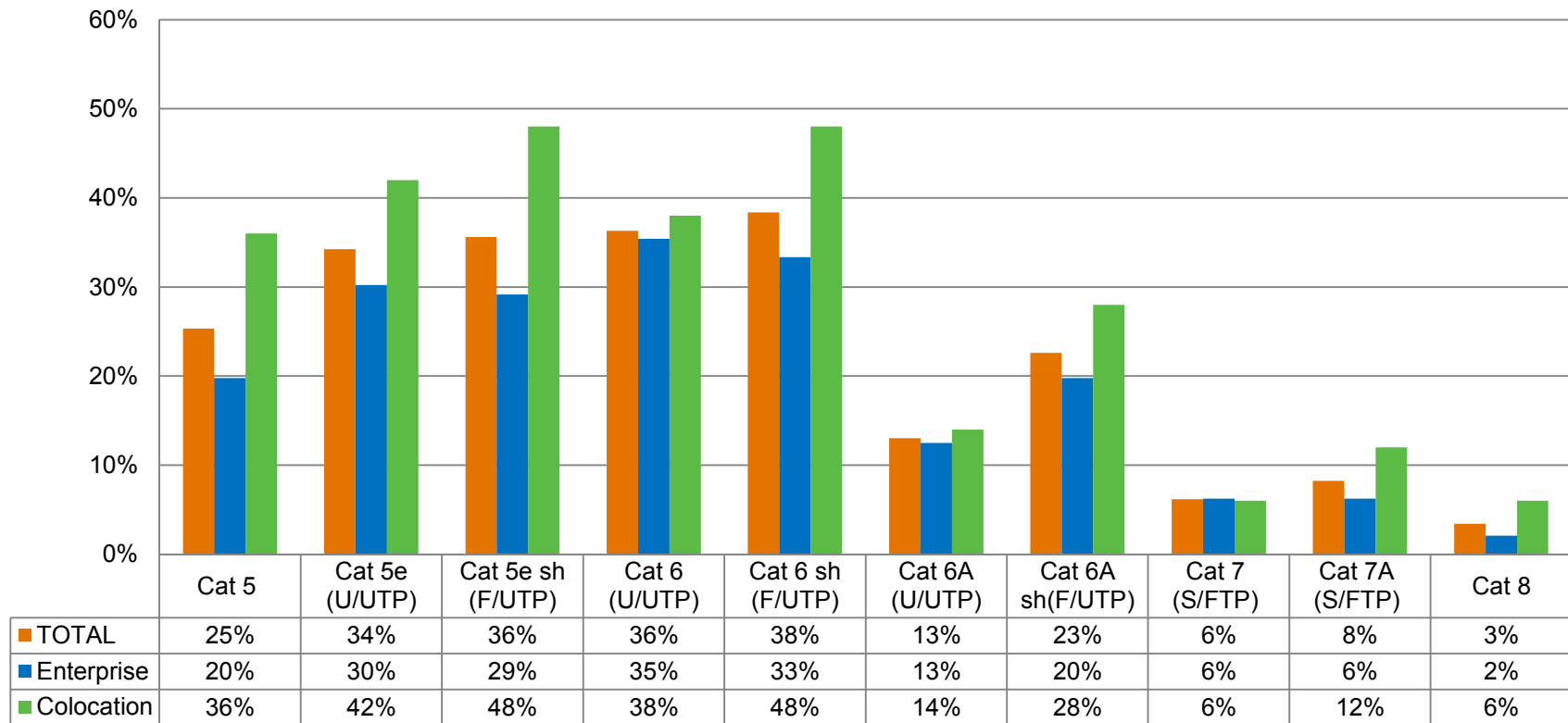
Cat6A accounts for 16%, while Cat 7 and Cat7A have a smaller percentage of the installed base.

Source: BSRIA
n=326



Copper: Categories Installed – Summary of Means

Which of the following types of copper cabling are currently in use/installed in your data centre?



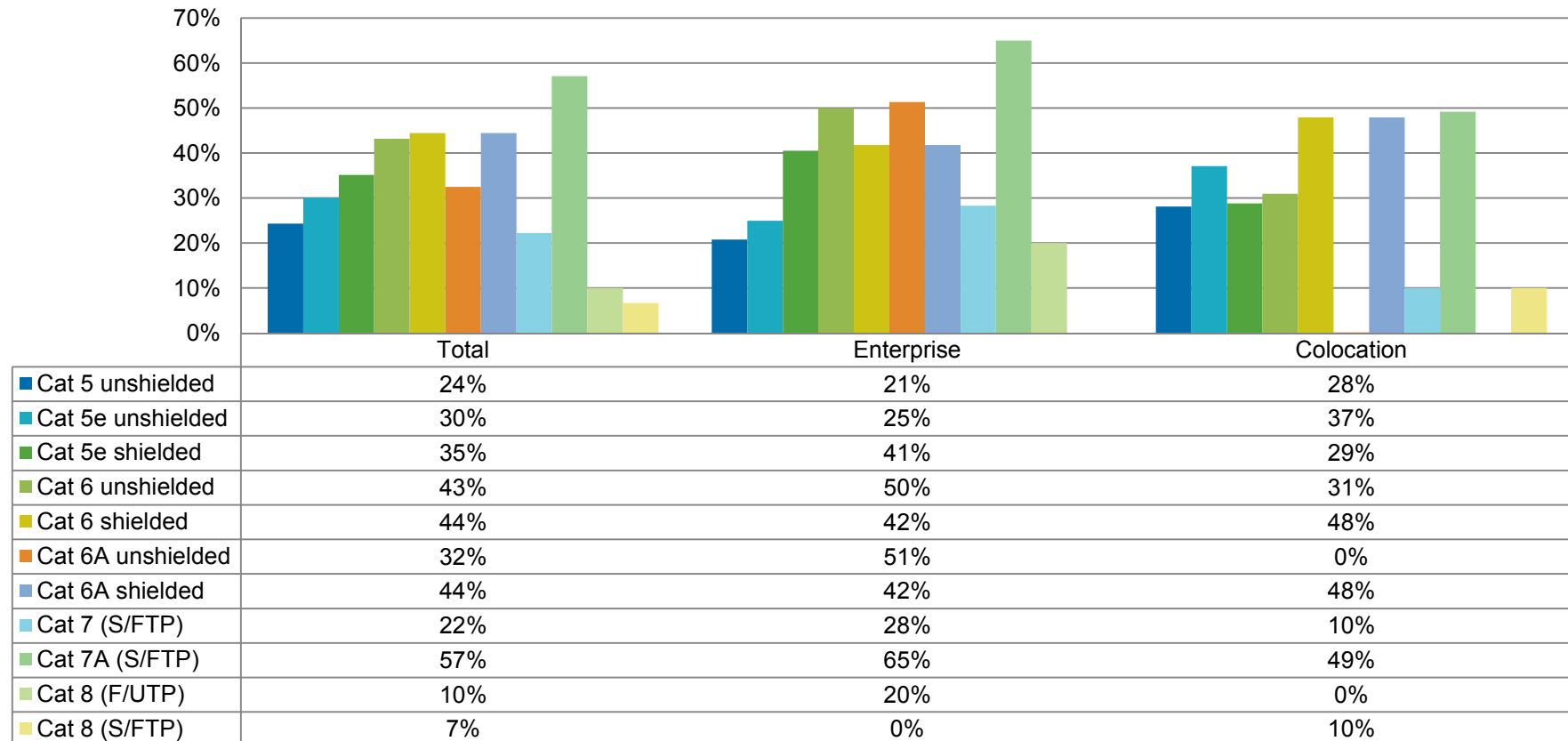
	Total	Enterprise	Colocation
Base: All who have at least 1% of copper in DC	146	96	50
Responses	326	187	139

Source: BSRIA

Copper: Categories Installed Last 12months

What percentage of the total volume of each type of copper cable was bought in the last twelve months?

Copper Cable by Category: Bought Last 12 Months – Summary of Means



Note: The Cat5 cabling installed in the last 12 months has been in China and Brazil.
We believe that the end-users mix Cat5 and Cat5e in their responses

n=153, overall responses=326 Source: BSRIA



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